

Gayatri Vidya Parishad Institute of Health Care & Medical Technology, Visakhapatnam - 530048, AP

MBBS- Phase 1 Time Table for Academic year 2019-2020

| 1 Week | 8.00-9.00 AM | 9.00-10.00 AM | 10.00-11.00 AM | Break 15 min | 11.15 – 1.00 PM | Lunch 1.00 PM – 2.00 PM | 2.00 -3.00 PM | 3.00-4.00 PM | Submissions | |
|-----------|---|--|--|--------------|---|-------------------------|---|--------------|---|---|
| Monday | AN1.2 Describe composition of bone and bone marrow AN2.2 Enumerate laws of ossification | Introduction to Physiology | Introduction to Biochemistry | | Introduction to Physiology Practicals-B Batch BI11.1 Describe commonly used laboratory apparatus and equipments, good safe laboratory practice and waste disposal. -C BATCH AN2.1 Describe parts, blood and nerve supply of a long bone A-Batch | | AN1.1 Demonstration of normal anatomical position, various planes, relation, comparison, laterality & movement in our body | | | |
| Tuesday | PY1.1.1 Describe the structure and functions of a mammalian cell. - Describe the components of cell and their functions. | AN2.3 Enumerate special features of a sesamoid bone. Classification of bones | PY1.1.2 Describe the structure and functions of a mammalian cell. - Describe the molecular and functional organization of a cell membrane. | | Introduction to Physiology Practicals-A Batch BI11.1 Describe commonly used laboratory apparatus and equipments, good safe laboratory practice and waste disposal. --- B BATCH AN2.1 Describe parts, blood and nerve supply of a long bone C-Batch | | AN4.1 Describe different types of skin & dermatomes in body AN4.2 Describe structure & function of skin with its appendages AN4.3 Describe superficial fascia along with fat distribution in body AN4.4 Describe modifications of deep fascia with its functions | | | |
| Wednesday | BI1.1 .Describe the molecular and functional organization of a cell and its subcellular components | PY1.2 Describe and discuss the principles of homeostasis | AN76.1 Describe the stages of human life AN76.2 Explain the terms- phylogeny, ontogeny, trimester, viability | | Introduction to Physiology Practicals-C Batch BI11.1 Describe commonly used laboratory apparatus and equipments, good safe laboratory practice and waste disposal. ---- A BATCH AN2.1 Describe parts, blood and nerve supply of a long bone B-Batch | | AN13.6 Identify & demonstrate important bony landmarks of upper limb: Jugular notch, sternal angle, acromial angle, spine of the scapula, vertebral level of the medial end, Inferior angle of the scapula | | | PY1-Assignment 1 on Endoplasmic reticulum, Golgi apparatus, Mitochondria, Ribosomes, Lysosomes, Peroxisomes |
| Thursday | AN2.4 Describe various types of cartilage with its structure & distribution in body | BI3.1 Discuss and differentiate monosaccharides, disaccharides' and polysaccharides giving examples of main carbohydrates as energy fuel, structural element and storage in the human body | PY1.3 Describe intercellular communication | | PY2.11.0 Microscope -B Batch B 11.2 Describe the preparation of buffers and estimation of Ph - C BATCH AN65.1 Identify epithelium under the microscope & describe the various types that correlate to its function A-Batch. | | AN12.5 Identify & describe small muscles of hand. Also describe movements of thumb and muscles involved AN12.6 Describe & demonstrate movements of thumb and muscles involved | | | Gross record assignment & viva Histology record assignment & viva |
| Friday | AN2.5 Describe various joints with subtypes and examples AN2.6 Explain the concept of nerve supply of joints & Hilton's law | PY1.4 Describe apoptosis – programmed cell death | BI3.1 Discuss and differentiate monosaccharides, di-saccharides and polysaccharides giving examples of main carbohydrates as energy fuel, structural element and storage in the human body | | PY2.11.0 Microscope -A Batch B 11.2 Describe the preparation of buffers and estimation of Ph – B BATCH AN65.1 Identify epithelium under the microscope & describe the various types that correlate to its function C-Batch. | | PY1.5 Describe and discuss transport mechanisms across cell membranes | | PY1.6 Describe the fluid compartments of the body, its ionic composition & measurements | |
| Saturday | PY1.7 Describe the concept of pH & Buffer systems in the body | PY1.8.1 Describe and discuss the molecular basis of resting membrane potential | CM 1.1 Define and describe the concept of public health | | PY2.11.0 Microscope -C Batch B 11.2 Describe the preparation of buffers and estimation of Ph - A BATCH AN65.1 Identify epithelium under the microscope & describe the various types that correlate to its function C-Batch. | | AETCOM | | SPORTS / EXTRA-CURRICULAR ACTIVITIES | PY1-Assignment 2 on Cell junctions, Transport across the cell membrane |

| 2 Week | 8.00-9.00 AM | 9.00-10.00 AM | 10.00-11.00 AM | | 11.15 – 1.00 PM | | 2.00 -3.00 PM | 3.00-4.00 PM | Submissions | |
|-----------|--|---|---|--------------|--|-------------------------|--|--|-------------|--|
| Monday | AN3.1 Classify muscle tissue according to structure & action AN3.3 Explain Shunt and spurt muscles | PY1.8.2 Describe and discuss the molecular basis of action potential in excitable tissue | | Break 15 min | PY2.11.0.1 Neubauer Chamber focusing -B Batch BI11.5Describe screening of urine for inborn errors & describe the use of paper chromatography (REACTIONS OF CARBOHYDRATES) -C BATCH AN8.1 ,AN8.2 & AN8.3 Identify the given bone, its side, important features & keep it in anatomical Position (Clavicle).Identify & describe joints formed by the given bone. Enumerate peculiarities of clavicle A-Batch | Lunch 1.00 PM – 2.00 PM | AN12.7 Identify & describe course and branches of important blood vessels and nerves in hand | | | |
| Tuesday | PY1.9 Demonstrate the ability to describe and discuss the methods used to demonstrate the functions of the cells and its products, its communications and their applications in Clinical care and research. | AN3.2 Enumerate parts of skeletal muscle and differentiate between A116tendons and aponeuroses with examples | PY2.1.1 Describe the composition and functions of blood components-Plasma components and functions | | PY2.11.0.1 Neubauer Chamber focusing -A Batch BI11.5Describe screening of urine for inborn errors & describe the use of paper chromatography(REACTIONS OF CARBOHYDRATES) B BATCH AN8.1 ,AN8.2 & AN8.3 Identify the given bone, its side, important features & keep it in anatomical Position (Clavicle).Identify & describe joints formed by the given bone. Enumerate peculiarities of clavicle C-Batch | | AN12.3 Identify & describe flexor retinaculum with its attachments. AN12.9 Identify & describe fibrous flexor sheaths, ulnar bursa, radial bursa and digital synovial sheaths | | | |
| Wednesday | BI5.2 Describe and discuss functions of proteins and structure-function relationships in relevant areas eg, hemoglobin and selected hemoglobinopathies | PY2.1.2 Describe the composition and functions of blood components-Features and functions of RBC, WBC and platelets | AN77.1 Describe the uterine changes occurring during the menstrual cycle | | PY2.11.0.1 Neubauer Chamber focusing -C Batch BI11.5Describe screening of urine for inborn errors & describe the use of paper chromatography (REACTIONS OF CARBOHYDRATES) A BATCH AN8.1 ,AN8.2 & AN8.3 Identify the given bone, its side, important features & keep it in anatomical Position (Clavicle).Identify & describe joints formed by the given bone. Enumerate peculiarities of clavicle B-Batch | | AN29.1 Describe & demonstrate attachments, nerve supply, relations and actions of sternocleidomastoid AN29.4 Describe & demonstrate attachments of 1) inferior belly of omohyoid, 2)scalenus anterior, 3) scalenus medius & 4) levator scapulae | | | PY1-Assignment 3 on Exocytosis Endocytosis |
| Thursday | AN4.5 Explain principles of skin incisions. Introduction to skin and fascia. | BI6.11 Describe the functions of haem in the body and describe the processes involved in its metabolism and describe porphyrin metabolism | PY2.3 Describe and discuss the synthesis and functions of Haemoglobin and explain its breakdown. Describe variants of haemoglobin | | PY2.11.1 Estimate Hb-B Batch BI11.5Describe screening of urine for inborn errors & describe the use of paper chromatography IDENTIFICATION OF CARBOHYDRATE -C BATCH AN65.1 Identify epithelium under the microscope & describe the various types that correlate to its function A-Batch | | AN9.2 Breast: Describe the location, extent, deep relations, structure, age changes, blood supply, lymphatic drainage, microanatomy and applied anatomy of breast. (Integration with General surgery) | | | Gross record assignment & viva Histology record assignment & viva |
| Friday | AN5.1 Differentiate between blood vascular and lymphatic system AN5.2 Differentiate between pulmonary and systemic circulation AN5.3 List general differences between arteries & veins AN5.4 Explain functional difference between elastic, muscular arteries and arterioles | PY2.2 Discuss the origin, forms, variations and functions of plasma proteins | BI6.12 Describe the major types of haemoglobin and its derivatives found in the body and their physiological/ pathological relevance. | | PY2.11.1 Estimate Hb-A Batch BI11.5Describe screening of urine for inborn errors & describe the use of paper chromatography IDENTIFICATION OF CARBOHYDRATE -B BATCH AN65.1 Identify epithelium under the microscope & describe the various types that correlate to its function C-Batch | | PY2.5 Describe different types of anaemias & Jaundice | PY2.4 Describe RBC formation (erythropoiesis & its regulation) and its functions | | |

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| Saturday | PY2.6 Describe WBC formation (granulopoiesis) and its regulation | PY2.7 Describe the formation of platelets, functions and variations. | CM 1.2 Definition of health, Concept of health, Dimensions of health, spectrum of health | | PY2.11.1 Estimate Hb-C Batch BI11.5 Describe screening of urine for inborn errors & describe the use of paper chromatography IDENTIFICATION OF CARBOHYDRATE -A BATCH AN65.1 Identify epithelium under the microscope & describe the various types that correlate to its function B-Batch | | AETCOM | SPORTS / EXTRA-CURRICULAR ACTIVITIES | PY1-Assignment 4 on Negative feedback, Positive feedback, Homeostasis |
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| 3 Week | 8.00-9.00 AM | 9.00-10.00 AM | 10.00-11.00 AM | | 11.15 – 1.00 PM | | 2.00 -3.00 PM | 3.00-4.00 PM | Submissions |
|-----------|---|---|---|--------------|---|-------------------------|---|--|-------------|
| Monday | AN5.5 Describe portal system giving examples AN5.6 Describe the concept of anastomoses and collateral circulation with significance of end-arteries | PY2.8.1 Describe the physiological basis of hemostasis and, anticoagulants.-clotting, fibrinolysis | | Break 15 min | PY2.11.2 EstimateRBC-B Batch BI11.5Describe screening of urine for inborn errors & describe the use of paper chromatography IDENTIFICATION OF UNKNOWN CARBOHYDRATE -C BATCH AN8.1 & AN8.2 Identify the given bone, its side, important features & keep it in anatomical Position (Scapula) Identify & describe joints formed by the given bone A-Batch | Lunch 1.00 PM – 2.00 PM | AN9.1 Describe attachment, nerve supply & action of pectoralis major and pectoralis minor | | |
| Tuesday | PY2.8.2 Describe bleeding & clotting disorders (Hemophilia, purpura,thrombosis etc.) | AN5.7 Explain function of meta-arterioles, precapillary sphincters, arterio-venous anastomosis AN5.8 Define thrombosis, infarction & aneurysm | PY2.9.1 Describe different blood groups and their testing | | PY2.11.2 Estimate RBC-A Batch BI11.5Describe screening of urine for inborn errors & describe the use of paper chromatography IDENTIFICATION OF UNKNOWN CARBOHYDRATE-B BATCH AN8.1 & AN8.2 Identify the given bone, its side, important features & keep it in anatomical Position (Scapula) Identify & describe joints formed by the given bone C-Batch | | AN10.1 Identify & describe boundaries and contents of axilla AN10.2 Identify, describe and demonstrate the origin, extent, course, parts relations and branches of axillary artery & tributaries of vein | | |
| Wednesday | BI6.11 Describe the functions of haem in the body and describe the processes involved in its metabolism and describe porphyrin metabolism | PY2.9.2 Discuss the clinical importance of blood grouping, blood banking and transfusion | AN77.2 Describe the synchrony between the ovarian and menstrual cycles | | PY2.11.2 Estimate RBC-C Batch BI11.5Describe screening of urine for inborn errors & describe the use of paper chromatography IDENTIFICATION OF UNKNOWN CARBOHYDRATE ---A BATCH AN8.1 & AN8.2 Identify the given bone, its side, important features & keep it in anatomical Position (Scapula) Identify & describe joints formed by the given bone B-Batch | | AN10.3 Describe, identify and demonstrate formation, branches, relations, area of supply of branches, course and relations of terminal branches of brachial plexus AN10.5 Explain variations in formation of brachial plexus | PY1-Assignment 5 on Resting membrane potential , Action potential | |
| Thursday | AN6.1 List the components and functions of the lymphatic system | BI5.1 Describe and discuss structural organization of proteins | PY2.10.1 Define and classify different types of immunity. - Describe the definition, principles and mechanisms involved in immunity. Define and classify different types of immunity. | | PY2.11.3 EstimateRBC indices-B Batch BI 11.5 Describe screening of urine for inborn errors & describe the use of paper chromatography--- REACTIONS OF PROTEINS -C BATCH AN65.2 Describe the ultrastructure of epithelium A-Batch | | AN10.4 Describe the anatomical groups of axillary lymph nodes and specify their areas of drainage. (Integration with General surgery) | Gross record assignment & viva Histology record assignment & viva | |
| Friday | AN6.2 Describe structure of lymph capillaries & mechanism of lymph circulation AN6.3 Explain the concept of lymphoedema and spread of tumors via lymphatics and venous systems | PY2.3 Describe and discuss the synthesis and functions of Hemoglobin and explain its breakdown. Describe variants of hemoglobin | BI5.1 Describe and discuss structural organization of proteins | | PY2.11.3 EstimateRBC indices-A Batch BI 11.5 Describe screening of urine for inborn errors & describe the use of paper chromatography--- REACTIONS OF PROTEINS -B BATCH AN65.2 Describe the ultrastructure of epithelium C-Batch | | PY2.10.2 Describe the development of immunity and its regulation | PY9.1 Describe and discuss sex determination; sex differentiation and their abnormalities and outline psychiatry and practical implication of sex determination. | |

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| Saturday | PY9.2 Describe and discuss puberty: onset, progression, stages; early and delayed puberty and outline adolescent clinical and psychological association. | PY9.3 Describe male reproductive system: functions of testis and control of spermatogenesis & factors modifying it and outline its association with psychiatric illness + PY9.5 Describe and discuss the physiological effects of sex hormones | CM 1.2 Determinants of health | | PY2.11.3 Estimate RBC indices-C Batch BI 11.5 Describe screening of urine for inborn errors & describe the use of paper chromatography--- REACTIONS OF PROTEINS -A BATCH AN65.2 Describe the ultrastructure of epithelium B-Batch | | AETCOM | SPORTS / EXTRA-CURRICULAR ACTIVITIES | PY1-Assignment 6 on Measurement of body fluids, Plasma proteins |
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| 4 Week | 8.00-9.00 AM | 9.00-10.00 AM | 10.00-11.00 AM | | 11.15 – 1.00 PM | | 2.00 -3.00 PM | 3.00-4.00 PM | Submissions |
|-----------|---|--|---|--------------|---|-------------------------|--|--|--|
| Monday | AN7.1 Describe general plan of nervous system with components of central, peripheral & autonomic nervous systems AN7.2 List components of nervous tissue and their functions | PY9.4.2 Describe female reproductive system: (a) functions of ovary and its control; (b) menstrual cycle - hormonal, uterine and ovarian changes + PY9.11 Discuss the hormonal changes and their effects during perimenopause and menopause | | Break 15 min | PY2.11.4 Estimate TLC-B Batch BI 11.5 Describe screening of urine for inborn errors & describe the use of paper chromatography--- IDENTIFICATION OF PROTEINS -C BATCH AN8.1 & AN8.2 Identify the given bone, its side, important features & keep it in anatomical Position (Humerus). Identify & describe joints formed by the given bone A-Batch | Lunch 1.00 PM – 2.00 PM | AN10.8 Describe, identify and demonstrate the position, attachment, nerve supply and actions of trapezius and latissimus dorsi. | | |
| Tuesday | PY9.6 Enumerate the contraceptive methods for male and female. Discuss their advantages & disadvantages | AN7.3 Describe parts of a neuron and classify them based on number of neurites, size & function AN7.8 Describe differences between sympathetic and spinal ganglia | PY9.7 Describe and discuss the effects of removal of gonads on physiological functions | | PY2.11.4 Estimate TLC-A Batch BI 11.5 Describe screening of urine for inborn errors & describe the use of paper chromatography--- IDENTIFICATION OF PROTEINS -B BATCH AN8.1 & AN8.2 Identify the given bone, its side, important features & keep it in anatomical Position (Humerus). Identify & describe joints formed by the given bone C-Batch | | AN10.10 Describe and identify the deltoid and rotator cuff muscles | | |
| Wednesday | BI5.1 Describe and discuss structural organization of proteins | PY9.8.1 Describe and discuss the physiology of pregnancy, parturition & lactation and outline the psychology and psychiatry-disorders associated with it. | AN77.3 Describe spermatogenesis and oogenesis along with diagrams | | PY2.11.4 Estimate TLC-C Batch BI 11.5 Describe screening of urine for inborn errors & describe the use of paper chromatography--- IDENTIFICATION OF PROTEINS- A BATCH AN8.1 & AN8.2 Identify the given bone, its side, important features & keep it in anatomical Position (Humerus). Identify & describe joints formed by the given bone B-Batch | | AN10.11 Describe & demonstrate attachment of serratus anterior with its action | | PY2-Assignment 1 on Erythropoiesis, Leucopoiesis, Fate of RBCs Morphology & functions of WBCs, Erythrocyte sedimentation rate, Anemia |
| Thursday | AN7.4 Describe structure of a typical spinal nerve, AN7.7 Describe various type of synapse | BI4.1 Describe and discuss main classes of lipids (Essential/non-essential fatty acids, cholesterol and hormonal steroids, triglycerides, major phospholipids and sphingolipids) relevant to human system and their major functions | PY9.8.2 Describe and discuss the physiology of pregnancy, parturition & lactation and outline the psychology and psychiatry-disorders associated with it. | | Revision PY2.11.2 Estimate RBC & PY2.11.4 Estimate TLC - B Batch BI 11.5 Describe screening of urine for inborn errors & describe the use of paper chromatography--- IDENTIFICATION OF UNKNOWN PROTEIN -C BATCH AN66.1 Describe & identify various types of connective tissue with functional correlation A-Batch | | AN10.12 Describe and demonstrate shoulder joint for– type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements, muscles involved, blood supply, nerve supply and applied anatomy (Integration with Orthopedics) | | Gross record assignment & viva Histology record assignment & viva |
| Friday | AN7.5 Describe principles of sensory and motor innervation of muscles AN7.6 Describe concept of loss of innervation of a muscle with its applied anatomy | PY9.12 Discuss the common causes of infertility in a couple and role of IVF in managing a case of infertility. | BI4.1 Describe and discuss main classes of lipids (Essential/non-essential fatty acids, cholesterol and hormonal steroids, triglycerides, major phospholipids and sphingolipids) relevant to human system and their major functions | | Revision PY2.11.2 Estimate RBC & PY2.11.4 Estimate TLC -A Batch BI 11.5 Describe screening of urine for inborn errors & describe the use of paper chromatography--- IDENTIFICATION OF UNKNOWN PROTEIN -B BATCH AN66.1 Describe & identify various types of connective tissue with functional correlation C-Batch | | PY3.1 Describe the structure and functions of a neuron and neuroglia; Discuss Nerve Growth Factor & other growth factors/cytokines | PY3.2+PY3.17 Describe the types, functions & properties of nerve fibers + Describe Strength-duration curve | |

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| Saturday | PY3.3 Describe the degeneration and regeneration in peripheral nerves | PY3.7 Describe the different types of muscle fibres and their structure | CM 1.3 Characteristics of Agent , Host and Environmental factors. Multifactorial etiology of diseases.-SGT | Revision PY2.11.2 Estimate RBC & PY2.11.4 Estimate TLC - C Batch BI 11.5 Describe screening of urine for inborn errors & describe the use of paper chromatography--- IDENTIFICATION OF UNKNOWN PROTEIN --- A BATCH AN66.1 Describe & identify various types of connective tissue with functional correlation B-Batch | AETCOM | SPORTS / EXTRA-CURRICULAR ACTIVITIES | PY2-Assignment 2 on Platelets,Blood coagulation, Fibrinolysis, Anticoagulants, Hemophilia |
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| 5 Week | 8.00-9.00 AM | 9.00-10.00 AM | 10.00-11.00 AM | | 11.15 – 1.00 PM | | 2.00 -3.00 PM | 3.00-4.00 PM | Submissions |
|-----------|---|--|--|--------------|--|-------------------------|---|--------------|---|
| Monday | AN10.6 Explain the anatomical basis of clinical features of Erb's palsy and Klumpke's paralysis | PY2.5 Visit to General Medicine Ward-Anaemia | | Break 15 min | PY2.11.5 DLC -B Batch BI 11.3 Describe the chemical components of normal urine & BI 11.4 Perform urine analysis to estimate and determine normal and abnormal constituents –NORMAL URINE – <u>C BATCH</u> AN8.1 & AN8.2 Identify the given bone, its side, important features & keep it in anatomical Position (Radius) Identify & describe joints formed by the given bone A-Batch | Lunch 1.00 PM – 2.00 PM | AN11.1 Describe and demonstrate muscle groups of upper arm with emphasis on biceps and triceps brachii | | PY2-Assignment 3 on ABO blood groups, Rh factor, Transfusion reactions, Hemolytic disease of the newborn/ erythroblastosis foetalis |
| Tuesday | PY3.8 Describe action potential and its properties in different muscle types | AN10.7 Explain anatomical basis of enlarged axillary lymph nodes | PY3.4 Describe the structure of neuro-muscular junction and transmission of impulses | | PY2.11.5 DLC-A Batch BI 11.3 Describe the chemical components of normal urine & BI 11.4 Perform urine analysis to estimate and determine normal and abnormal constituents –NORMAL URINE – <u>B BATCH</u> AN8.1 & AN8.2 Identify the given bone, its side, important features & keep it in anatomical Position (Radius) Identify & describe joints formed by the given bone C-Batch | | AN11.2 Identify & describe origin, course, relations, branches (or tributaries), termination of important nerves and vessels in arm AN11.4 Describe the anatomical basis of Saturday night paralysis (Integration with Orthopedics) | | |
| Wednesday | BI4.1 Describe and discuss main classes of lipids (Essential/non-essential fatty acids, cholesterol and hormonal steroids, triglycerides, major phospholipids and sphingolipids) relevant to human system and their major functions | PY3.5 Discuss the action of neuro-muscular blocking agents | AN77.3 Describe spermatogenesis and oogenesis along with diagrams | | PY2.11.5 DLC-C Batch BI 11.3 Describe the chemical components of normal urine & BI 11.4 Perform urine analysis to estimate and determine normal and abnormal constituents –NORMAL URINE – <u>A BATCH</u> AN8.1 & AN8.2 Identify the given bone, its side, important features & keep it in anatomical Position (Radius) Identify & describe joints formed by the given bone B-Batch | | AN11.5 Identify & describe boundaries and contents of cubital fossa AN11.3 Describe the anatomical basis of Venepuncture of cubital veins (Integration with General surgery) | | PY2-Assignment 4 on Reticuloendothelial system, Functions of spleen, Lymph, T lymphocytes, B lymphocytes, Immunoglobulins |
| Thursday | AN10.9 Describe the arterial anastomosis around the scapula and mention the boundaries of triangle of auscultation | BI2.1 Explain fundamental concepts of enzyme, isoenzyme, alloenzyme, coenzyme & co-factors. Enumerate the main classes of IUBMB nomenclature | PY3.9 Describe the molecular basis of muscle contraction in skeletal and in smooth muscles | | Revision PY2.11.5 DLC-B Batch BI 11.3 Describe the chemical components of normal urine & BI 11.4 Perform urine analysis to estimate and determine normal and abnormal constituents –NORMAL URINE – <u>C BATCH</u> AN66.2 Describe the ultrastructure of connective tissue A-Batch | | AN12.1 Describe and demonstrate important muscle groups of ventral forearm with attachments, nerve supply and actions | | Gross record assignment & viva Histology record assignment & viva |
| Friday | (AN10.13 Explain anatomical basis of Injury to axillary nerve during intramuscular injections) | SDL on PY1.1 to PY1.9 | Biochemistry SDL | | Revision PY2.11.5 DLC-A Batch BI 11.3 Describe the chemical components of normal urine & BI 11.4 Perform urine analysis to estimate and determine normal and abnormal constituents –NORMAL URINE – <u>B BATCH</u> AN66.2 Describe the ultrastructure of connective tissue C-Batch | | Tutorial on PY1.1 to PY1.9 | | PY9 -Assignment 1 on Puberty, Secondary sexual characters in females & males |

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| Saturday | Written assessment 1 on PY1.1 to PY1.9 | CM 1.4 Natural History of disease | | Revision PY2.11.5 DLC-C Batch BI 11.3 Describe the chemical components of normal urine & BI 11.4 Perform urine analysis to estimate and determine normal and abnormal constituents –NORMAL URINE – <u>A BATCH</u> AN66.2 Describe the ultrastructure of connective tissue B-Batch | | AETCOM | SPORTS / EXTRA-CURRICULAR ACTIVITIES | |
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| 6 Week | 8.00-9.00 AM | 9.00-10.00 AM | 10.00-11.00 AM | 11.15 – 1.00 PM | 2.00 -3.00 PM | 3.00-4.00 PM | Submissions |
|-----------|--|--|---|---|---|--------------------------------------|---|
| Monday | AN11.6 Describe the anastomosis around the elbow joint | PY9.8 Visit to Obstetrics Ward-Pregnancy | | PY2.11.6 Estimate BT/CT & PY2.11.7 Blood groups -B Batch BI 11.4 Perform urine analysis to estimate and determine normal and abnormal constituents – ABNORMAL URINE – C BATCH AN8.1 & AN8.2 Identify the given bone, its side, important features & keep it in anatomical Position (Ulna) Identify & describe joints formed by the given bone A-Batch | AN12.2 Identify & describe origin, course, relations, branches (or tributaries), termination of important nerves and vessels of forearm | | PY9 -Assignment 2 on Hormonal regulation of menstrual cycle,Ovulation,Graafian follicle &Corpus luteum,Tests of ovulation |
| Tuesday | PY3.10 Describe the mode of muscle contraction (isometric and isotonic) | AN12.4 Explain anatomical basis of carpal tunnel syndrome | PY3.11 Explain energy source and muscle metabolism | PY2.11.6 Estimate BT/CT & PY2.11.7 Blood groups -A Batch BI 11.4 Perform urine analysis to estimate and determine normal and abnormal constituents – ABNORMAL URINE – B BATCH AN8.1 & AN8.2 Identify the given bone, its side, important features & keep it in anatomical Position (Ulna) Identify & describe joints formed by the given bone C-Batch | AN12.11 Identify, describe and demonstrate important muscle groups of dorsal forearm with attachments, nerve supply and actions (Integration with General surgery) | | |
| Wednesday | BI2.1 Explain fundamental concepts of enzyme, isoenzyme, alloenzyme, coenzyme & co-factors. Enumerate the main classes of IUBMB nomenclature | PY3.5 Discuss the action of neuro-muscular blocking agents | AN77.4 Describe the stages and consequences of fertilisation | PY2.11.6 Estimate BT/CT & PY2.11.7 Blood groups-C Batch BI 11.4 Perform urine analysis to estimate and determine normal and abnormal constituents – ABNORMAL URINE – A BATCH AN8.1 & AN8.2 Identify the given bone, its side, important features & keep it in anatomical Position (Ulna) Identify & describe joints formed by the given bone B-Batch | AN12.12 Identify & describe origin, course, relations, branches (or tributaries), termination of important nerves and vessels of back of forearm (Integration with General surgery) | | PY9 -Assignment 3 on Spermatogenesis,Functions of blood testis barrier, |
| Thursday | AN12.8 Describe anatomical basis of Claw hand | BI2.3.Describe and explain the basic principles of enzyme activity | PY3.12 Explain the gradation of muscular activity | PY2.9.3 Blood Bank Visit -B Batch BI 11.4 Perform urine analysis to estimate and determine normal and abnormal constituents – ABNORMAL URINE – C BATCH AN67.1 Describe & identify various types of muscle under the microscope A-Batch | AN12.14 Identify & describe compartments deep to extensor retinaculum AN12.15 Identify & describe extensor expansion formation (Integration with General surgery) | | Assignment 2 on Excitation Contraction Coupling Gross record assignment & viva Histology record assignment & viva |
| Friday | Anatomy (AN12.10 Explain infection of fascial spaces of palm) | SDL on PY2.1 to PY2.6 | Biochemistry SDL | PY2.9.3 Blood Bank Visit -A Batch BI 11.4 Perform urine analysis to estimate and determine normal and abnormal constituents – ABNORMAL URINE – B BATCH AN67.1 Describe & identify various types of muscle under the microscope C-Batch | Viva voce on PY1.1 to PY1.9 | | PY9 -Assignment 4 on Contraceptive methods in females & males |
| Saturday | Tutorial on PY2.1 to PY2.6 | | CM 1.5 Concepts and levels of prevention, Modes of Intervention – SGT | PY2.9.3 Blood Bank Visit -C Batch BI 11.4 Perform urine analysis to estimate and determine normal and abnormal constituents – ABNORMAL URINE – A BATCH AN67.1 Describe & identify various types of muscle under the microscope B-Batch | AETCOM | SPORTS / EXTRA-CURRICULAR ACTIVITIES | |

Break 15 min

Lunch 1.00 PM – 2.00 PM

| 7 Week | 8.00-9.00 AM | 9.00-10.00 AM | 10.00-11.00 AM | 11.15 – 1.00 PM | 2.00 -3.00 PM | 3.00-4.00 PM | Submissions |
|-----------|---|---|--|---|---|--------------------------------------|---|
| Monday | AN12.13 Describe the anatomical basis of Wrist drop | PY9.12 Visit to Obstetrics & Gynaecology OP/Ward -Infertility | | PY2.12 Describe test for ESR, Osmotic fragility, Hematocrit. Note the findings and interpret the test results etc -B Batch BI11.20Identify abnormal constituents in urine, interpret the findings and correlate these with pathological states –C BATCH AN8.6 Describe scaphoid fracture and explain the anatomical basis of avascular necrosis A-Batch | AN13.3 Identify & describe the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements, blood and nerve supply of elbow joint, proximal and distal radio-ulnar joints, wrist joint & first carpometacarpal joint | | PY9 -Assignment 5 on Maternal changes during pregnancy, Pregnancy tests |
| Tuesday | PY3.6 +PY3.13 Describe the pathophysiology of Myasthenia gravis+ Describe muscular dystrophy: myopathies | AN13.1 Describe and explain Fascia of upper limb and compartments, veins of upper limb and its lymphatic drainage | PY6.1 Describe the functional anatomy of respiratory tract | PY2.12 Describe test for ESR, Osmotic fragility, Hematocrit. Note the findings and interpret the test results etc -A Batch BI11.20Identify abnormal constituents in urine, interpret the findings and correlate these with pathological states –B BATCH AN8.6 Describe scaphoid fracture and explain the anatomical basis of avascular necrosis C-Batch | AN13.7 Identify & demonstrate surface projection of: Cephalic and basilic vein, Palpation of Brachial artery, Radial artery. Testing of muscles: Trapezius, pectoralis major, serratus anterior, latissimus dorsi, deltoid, biceps brachii, Brachioradialis | | |
| Wednesday | BI2.4 Describe and discuss enzyme inhibitors as poisons and drugs and as therapeutic enzymes | PY6.2.1Describe the mechanics of normal respiration , pressure changes during ventilations | AN77.5 Enumerate and describe the anatomical principles underlying contraception | PY2.12 Describe test for ESR, Osmotic fragility, Hematocrit. Note the findings and interpret the test results etc -C Batch BI11.20Identify abnormal constituents in urine, interpret the findings and correlate these with pathological states –A BATCH AN8.6 Describe scaphoid fracture and explain the anatomical basis of avascular necrosis B-Batch | AN13.5 Identify the bones and joints of upper limb seen in anteroposterior and lateral view radiographs of shoulder region, arm, elbow, forearm and hand (Integration with Radiodiagnosis) | | PY9 -Assignment 6 on Parturition reflex, Milk ejection reflex |
| Thursday | AN13.2 Describe dermatomes of upper limb | B.12.5Describe and discuss the clinical utility of various serum enzymes as markers of pathological conditions | PY6.2.2 Describe alveolar surface tension , compliance, airway resistance, | PY2.13 Describe steps for reticulocyte and platelet count -B Batch BI11.20Identify abnormal constituents in urine, interpret the findings and correlate these with pathological states –C BATCH AN67.2 Classify muscle and describe the structure-function correlation of the same A-Batch | PCT on upper limb | | Record submission & regional assessment on Upper limb |
| Friday | (AN13.4 Describe Sternoclavicular joint, Acromioclavicular joint, Carpometacarpal joints & Metacarpophalangeal joint) | SDL on PY2.1 to PY2.6 | Biochemistry SDL | PY2.13 Describe steps for reticulocyte and platelet count -A Batch BI11.20Identify abnormal constituents in urine, interpret the findings and correlate these with pathological states –B BATCH AN67.2 Classify muscle and describe the structure-function correlation of the same C-Batch | Tutorial on PY2.1 to PY2.6 | | PY3-Assignment 1 on compare the properties of all three muscle types |
| Saturday | Written assessment 1 on PY2.1 to PY2.6 | | CM 1.6 IEC and BCC – SDL | PY2.13 Describe steps for reticulocyte and platelet count -C Batch BI11.20Identify abnormal constituents in urine, interpret the findings and correlate these with pathological states –A BATCH AN67.2 Classify muscle and describe the structure-function correlation of the same B-Batch | AETCOM | SPORTS / EXTRA-CURRICULAR ACTIVITIES | |

Break 15 min

Lunch 1.00 PM – 2.00 PM

| 8 Week | 8.00-9.00 AM | 9.00-10.00 AM | 10.00-11.00 AM | | 11.15 – 1.00 PM | | 2.00 -3.00 PM | 3.00-4.00 PM | Submissions |
|-----------|---|---|--|--------------|---|-------------------------|--|--|---|
| Monday | AN21.7 Mention the origin, course, relations and branches of 1) atypical intercostal nerve 2) superior intercostal artery, subcostal artery | PY9.8 Visit to Labour Room-Parturition | | Break 15 min | PY3.18.1 Equipments, Muscle-Nerve Preparation, SMT, Effect of Temp, Conduction velocity + PY3.18.2 Effect of two successive stimulation, Effect of Load, Increasing strength of stimulation-B Batch BI11.6Describe the principles of colorimetry & BI11.18Discuss the principles of spectrophotometry – C BATCH Assessment - I (General & Upper limb) A-Batch | Lunch 1.00 PM – 2.00 PM | AN21.3 Describe & demonstrate the boundaries of thoracic inlet, cavity and outlet | | PY3-Assignment 2 on Excitation Contraction Coupling |
| Tuesday | PY6.2.3+ PY6.7 Describe lung volume and capacities + Describe and discuss lung function tests & their clinical significance | AN21.10 Describe costochondral and interchondral joints | PY6.2.4 Describe ventilation V/P ratio, diffusion capacity of lungs | | PY3.18.1 Equipments, Muscle-Nerve Preparation, SMT, Effect of Temp, Conduction velocity+ PY3.18.2 Effect of two successive stimulation, Effect of Load, Increasing strength of stimulation-A Batch BI11.6Describe the principles of colorimetry & BI11.18Discuss the principles of spectrophotometry- B -BATCH Assessment - I (General & Upper limb) C-Batch | | AN21.4 Describe & demonstrate extent, attachments, direction of fibres, nerve supply and actions of intercostal muscles. AN21.9 Describe & demonstrate mechanics and types of respiration (Integration with Physiology) | | |
| Wednesday | BI.2.6Discuss use of enzymes in laboratory investigations (Enzyme-based assays | PY6.3.1 Describe and discuss the transport of Oxygen and oxy hemoglobin Dissociation curve. | AN77.6 Describe teratogenic influences; fertility and sterility, surrogate motherhood, social significance of "sex-ratio". | | PY3.18.1 Equipments, Muscle-Nerve Preparation, SMT, Effect of Temp, Conduction velocity+ PY3.18.2 Effect of two successive stimulation, Effect of Load, Increasing strength of stimulation)-C Batch BI11.6Describe the principles of colorimetry & BI11.18Discuss the principles of spectrophotometry- A -BATCH Assessment - I (General & Upper limb) B-Batch | | AN21.5 Describe & demonstrate origin, course, relations and branches of a typical intercostal nerve | PY3-Assignment 3 on Mechanics of Muscle contraction. L-T, F-V relationship | |
| Thursday | AN22.6 Describe the fibrous skeleton of heart | BI6.2 Describe and discuss the metabolic processes in which nucleotides are involved | PY6.3.2 Describe and discuss the transport of carbon dioxide. | | PY3.18.3 Effect of increasing frequency, Fatigue+PY3.18.4 Frog's Heart preparation, NCG, Effect of Temp+ PY3.18.5 Properties of Heart muscle, Stannius Ligature, vagus stimulation-B Batch BI11.19Outline the basic principles involved in the functioning of instruments commonly used in a biochemistry laboratory and their applications BI 11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including: P^H METER,ABG ANALYZER ---C BATCH AN67.3 Describe the ultrastructure of muscular tissue A-Batch | | AN21.6 Mention origin, course and branches/ tributaries of: 1) anterior & posterior intercostal vessels 2) internal thoracic vessels | Gross record assignment & viva Histology record assignment & viva | |

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|----------|--|------------------------|---|--|-----------------------------|--------------------------------------|--|
| Friday | (AN22.7 Mention the parts, position and arterial supply of the conducting system of heart) | SDL on PY2.7 to PY2.10 | Biochemistry SDL | <p>PY3.18.3 Effect of increasing frequency, Fatigue+PY3.18.4 Frog's Heart preparation, NCG, Effect of Temp+ PY3.18.5 Properties of Heart muscle, Stannius Ligature, vagus stimulation-A Batch</p> <p>BI11.19 Outline the basic principles involved in the functioning of instruments commonly used in a biochemistry laboratory and their applications</p> <p>BI 11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including: P^H METER, ABG ANALYZER ---B BATCH</p> <p>AN67.3 Describe the ultrastructure of muscular tissue C-Batch</p> | Tutorial on PY2.7 to PY2.10 | | PY3-Assignment 4 on Muscle fiber types. Source of energy for different types of muscular activities. |
| Saturday | Tutorial on PY2.7 to PY2.10 | | CM 1.7 Enumerate and describe health indicators | <p>PY3.18.3 Effect of increasing frequency, Fatigue+PY3.18.4 Frog's Heart preparation, NCG, Effect of Temp+ PY3.18.5 Properties of Heart muscle, Stannius Ligature, vagus stimulation -C Batch</p> <p>BI11.19 Outline the basic principles involved in the functioning of instruments commonly used in a biochemistry laboratory and their applications</p> <p>BI 11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including: P^H METER, ABG ANALYZER ---A BATCH</p> <p>AN67.3 Describe the ultrastructure of muscular tissue B-Batch</p> | AETCOM | SPORTS / EXTRA-CURRICULAR ACTIVITIES | |

| 9 Week | 8.00-9.00 AM | 9.00-10.00 AM | 10.00-11.00 AM | | 11.15 – 1.00 PM | | 2.00 -3.00 PM | 3.00-4.00 PM | Submissions |
|-----------|---|---|--|--------------|---|-------------------------|---|-----------------------------|--|
| Monday | AN23.6 Describe the splanchnic nerves | PY9.6 Community Medicine Museum visit- Contraceptive methods | | Break 15 min | PY3.18.6 Effect of Drugs and Ions on Frog's Heart (Demonstration, Computer assisted learning methods) -B Batch BI11.19 Outline the basic principles involved in the functioning of instruments commonly used in a biochemistry laboratory and their applications BI 11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including: AUTOANALYZER , •ELECTROLYTE ANALYSIS BY ISE ---C BATCH AN21.1 Identify and describe the salient features of sternum A-Batch | Lunch 1.00 PM – 2.00 PM | AN24.1 Mention the blood supply, lymphatic drainage and nerve supply of pleura, extent of pleura and describe the pleural recesses and their applied anatomy | | PY3-Assignment 5 on Motor unit. Frequency summation-Tetany, Treppe, Summation of contraction |
| Tuesday | PY6.0.1 Describe the chemical regulation of respiration | AN23.7 Mention the extent, relations and applied anatomy of lymphatic duct | PY6.0.2 Describe the neural regulation of respiration | | PY3.18.6 Effect of Drugs and Ions on Frog's Heart (Demonstration, Computer assisted learning methods)-A Batch- BI11.19 Outline the basic principles involved in the functioning of instruments commonly used in a biochemistry laboratory and their applications BI 11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including: AUTOANALYZER , •ELECTROLYTE ANALYSIS BY ISE ---B BATCH AN21.1 Identify and describe the salient features of sternum C-Batch | | AN24.2 Identify side, external features and relations of structures which form root of lung & bronchial tree and their clinical correlate (Integration with Physiology & General medicine) | | |
| Wednesday | BI 6.3 Describe the common disorders associated with nucleotide metabolism | PY6.3.1 Describe and discuss the transport of Oxygen and oxy hemoglobin Dissociation curve. | AN78.1 Describe cleavage and formation of blastocyst | | PY3.18.6 Effect of Drugs and Ions on Frog's Heart (Demonstration, Computer assisted learning methods)-C Batch BI11.19 Outline the basic principles involved in the functioning of instruments commonly used in a biochemistry laboratory and their applications BI 11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including: AUTOANALYZER , •ELECTROLYTE ANALYSIS BY ISE ---A BATCH AN21.1 Identify and describe the salient features of sternum B-Batch | | AN21.8 Describe & demonstrate type, articular surfaces & movements of manubriosternal, costovertebral, costotransverse and xiphisternal joints | | PY6-Assignment 1 on Capacities & volumes of the Lung and its normal values. |
| Thursday | AN24.3 Describe a bronchopulmonary segment | BI 6.5 Describe the biochemical role of vitamins in the body and explain the manifestations of their deficiency | PY6.4+ PY6.5.1 Describe and discuss the physiology of high altitude and acclimatization; deep sea Diving and decompression sickness. | | PY3.14 Perform Ergography (DOAP) -B Batch BI11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including ---- PAPER CHROMATOGRAPHY OF AMINOACIDS,TLC---C BATCH AN68.1 Describe & Identify multipolar & unipolar neuron, ganglia, peripheral nerve A-Batch | | AN21.11 Mention boundaries and contents of the superior, anterior, middle and posterior mediastinum | | Gross record assignment & viva Histology record assignment & viva |
| Friday | AN24.5 Mention the blood supply, lymphatic drainage and nerve supply of lungs | AITO- Anaemia | | | PY3.14 Perform Ergography (DOAP)- A Batch BI11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including ---- PAPER CHROMATOGRAPHY OF AMINOACIDS,TLC---B BATCH | | | Tutorial on PY2.7 to PY2.10 | PY6-Assignment 2 on ventilation ,V/P ratio, diffusion capacity of lungs |

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|----------|---|---|--|---|--|--------|--------------------------------------|--|
| | | | | AN68.1 Describe & Identify multipolar & unipolar neuron, ganglia, peripheral nerve C-Batch | | | | |
| Saturday | Written assessment 2 on PY2.7 to PY2.10 | CM 1 Concept of Health and Disease – TUTORIAL | | PY3.14 Perform Ergography (DOAP)-C Batch BI11.16Observe use of commonly used equipments/techniques in biochemistry laboratory including ---- PAPER CHROMATOGRAPHY OF AMINOACIDS,TLC---A BATCH AN68.1 Describe & Identify multipolar & unipolar neuron, ganglia, peripheral nerve B-Batch | | AETCOM | SPORTS / EXTRA-CURRICULAR ACTIVITIES | |

| 10 Week | 8.00-9.00 AM | 9.00-10.00 AM | 10.00-11.00 AM | | 11.15 – 1.00 PM | | 2.00 -3.00 PM | 3.00-4.00 PM | Submissions |
|-----------|---|---|---|--------------|--|-------------------------|---|--|---|
| Monday | AN24.6 Describe the extent, length, relations, blood supply, lymphatic drainage and nerve supply of trachea | Early Clinical Exposure | | Break 15 min | PY3.15 Demonstrate the Effect of different degrees of exercise on Cardio-respiratory parameters. -B Batch BI11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including ----PROTEIN ELECTROPHORESIS,PAGE ---C BATCH AN21.1 Identify and describe the salient features of typical rib and typical thoracic vertebra A-Batch | Lunch 1.00 PM – 2.00 PM | AN22.1 Describe & demonstrate subdivisions, sinuses in pericardium, blood supply and nerve supply of pericardium | | |
| Tuesday | PY6.5.2 Describe and discuss the principles of artificial respiration, oxygen therapy | AN14.3 Describe the importance of ossification of lower end of femur & upper end of tibia | PY6.6 Describe and discuss the pathophysiology of dyspnoea, hypoxia, cyanosis, asphyxia; drowning, periodic breathing | | PY3.15 Demonstrate the Effect of different degrees of exercise on Cardio-respiratory parameters. -A Batch- BI11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including ----PROTEIN ELECTROPHORESIS,PAGE ---B -BATCH AN21.1 Identify and describe the salient features of typical rib and typical thoracic vertebra C-Batch | | AN22.2 Describe & demonstrate external and internal features of each chamber of heart (Integration with Physiology) | PY6-Assignment 3 on Transport of Oxygen and oxy hemoglobin Dissociation curve | |
| Wednesday | BI 6.5 Describe the biochemical role of vitamins in the body and explain the manifestations of their deficiency Vitamin-A,(DR 17.1, PE 12.1 TO P.E 12.5) | PY5.1.1 Describe the functional Anatomy of heart including Chambers, sounds | AN78.2 Describe the development of trophoblast AN78.3 Describe the process of implantation & common abnormal sites of implantation | | PY3.15 Demonstrate the Effect of different degrees of exercise on Cardio-respiratory parameters.-C Batch BI11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including ----PROTEIN ELECTROPHORESIS,PAGE ---A -BATCH AN21.1 Identify and describe the salient features of typical rib and typical thoracic vertebra B-Batch | | AN22.3 Describe & demonstrate origin, course and branches of coronary arteries AN22.5 Describe & demonstrate the formation, course, tributaries and termination of coronary sinus (Integration with Physiology) | | |
| Thursday | AN17.2 Describe anatomical basis of complications of fracture neck of femur | BI 6.5 Describe the biochemical role of vitamins in the body and explain the manifestations of their deficiency Vitamin-D(PE - 12.6 TO PE 12.9) | PY5.1.2 Pacemaker tissue and Conducting system | | PY3.16 Demonstrate Harvard step test -B Batch BI11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including ----ELISA, IMMUNODIFFUSION ---C BATCH AN68.2 Describe the structure-function correlation of neuron A-Batch | | AN23.1 Describe & demonstrate the external appearance, relations, blood supply, nerve supply, lymphatic drainage and applied anatomy of oesophagus AN23.2 Describe & demonstrate the extent, relations tributaries of thoracic duct and enumerate its applied anatomy (Integration with General surgery) | PY6-Assignment 4 on High altitude physiology and Acclimatization Gross record assignment & viva Histology record assignment & viva | |
| Friday | (AN17.3 Describe dislocation of hip joint and surgical hip replacement) | SDL on PY2.1 to PY2.13 | | | PY3.16 Demonstrate Harvard step test-A Batch- BI11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including ----ELISA, IMMUNODIFFUSION ---B BATCH AN68.2 Describe the structure-function correlation of neuron C-Batch | | Viva voce on PY2.1 to PY2.13 | | |
| Saturday | PY9.13 Clinical Charts : Ovulation with LH surge Ovarian cycle Endometrial cycle | | CM 2.1 Clinico socio cultural and demographic assessment of the individual, family and community | | PY3.16 Demonstrate Harvard step test-C Batch BI11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including ----ELISA, IMMUNODIFFUSION ---A BATCH AN68.2 Describe the structure-function correlation of neuron B-Batch | | AETCOM | SPORTS / EXTRA-CURRICULAR ACTIVITIES | PY6-Assignment 5 on Artificial Respiration and oxygen therapy |

| 11 Week | 8.00-9.00 AM | 9.00-10.00 AM | 10.00-11.00 AM | | 11.15 – 1.00 PM | | 2.00 -3.00 PM | 3.00-4.00 PM | Submissions | |
|-----------|---|--|---|--------------|---|-------------------------|--|--|-------------|--|
| Monday | AN18.6 Describe knee joint injuries with its applied anatomy | PY6.2.3+ PY6.7 Pulmonology OP/Ward- Lung volume, capacities and function tests | | Break 15 min | OSPE on PY2.11.1, PY2.11.6 & PY2.11.7-B Batch BI11.16Observe use of commonly used equipments/techniques in biochemistry laboratory including ----DNA ISOLATION from blood/ tissue ---C BATCH AN21.2 Identify & describe the features of 1st , 2nd, 11th and 12th ribs A-Batch | Lunch 1.00 PM – 2.00 PM | AN23.3 Describe & demonstrate origin, course, relations, tributaries and termination of superior venacava, azygos, hemiazygos and accessory hemiazygos veins | | | |
| Tuesday | PY5.2.1 Describe the properties of cardiac muscle including its morphology | AN18.7 Explain anatomical basis of Osteoarthritis | PY5.2.2 Electrical, mechanical and metabolic functions of Cardiac muscle | | OSPE on PY2.11.1, PY2.11.6 & PY2.11.7-A Batch BI11.16Observe use of commonly used equipments/techniques in biochemistry laboratory including ----DNA ISOLATION from blood/ tissue ---B BATCH AN21.2 Identify & describe the features of 1st , 2nd, 11th and 12th ribs C-Batch | | AN23.4 Mention the extent, branches and relations of arch of aorta & descending thoracic aorta | PY6-Assignment 6 on Cyanosis, Asphyxia and Periodic breathing. | | |
| Wednesday | BI 6.5 Describe the biochemical role of vitamins in the body and explain the manifestations of their deficiency Vitamin-E&K(PE 12.11 TO 12.14) | PY5.2.3 Properties of cardiac muscle | AN78.4 Describe the formation of extra-embryonic mesoderm and coelom, bilaminar disc and prochordal plate | | OSPE on PY2.11.1, PY2.11.6 & PY2.11.7-C Batch BI11.16Observe use of commonly used equipments/techniques in biochemistry laboratory including ----DNA ISOLATION from blood/ tissue ---A BATCH AN21.2 Identify & describe the features of 1st , 2nd, 11th and 12th ribs B-Batch | | AN23.5 Identify & Mention the location and extent of thoracic sympathetic chain | | | |
| Thursday | AN19.3 Explain the concept of "Peripheral heart" | BI 6.5 Describe the biochemical role of vitamins in the body and explain the manifestations of their deficiency Vitamin- B1 Thiamine (PE -12.5 TO 12.7 ,IM 23.3) | PY5.3.1 Define cardiac cycle, Discuss the events occurring During cardiac cycle | | OSPE on PY2.11.2 & PY2.11.3-B Batch BI11.21Demonstrate estimation of glucose, creatinine, urea and total protein in serum ----- GLUCOSE --- C BATCH AN68.3 Describe the ultrastructure of nervous tissue A-Batch | | AN21.8 Describe & demonstrate type, articular surfaces & movements of manubriosternal, costovertebral, costotransverse and xiphisternal joints | PY5-Assignment 1 on 1.Pacemaker Tissue and Conducting System 2.Electrical Mechanical & Metabolic Functions of Cardiac muscle Gross record assignment & viva Histology record assignment & viva | | |
| Friday | (AN19.4 Explain the anatomical basis of rupture of calcaneal tendon) | SDL on PY9.1 to PY9.12 | Biochemistry SDL | | OSPE on PY2.11.2 & PY2.11.3-A Batch BI11.21Demonstrate estimation of glucose, creatinine, urea and total protein in serum ----- GLUCOSE --- B BATCH AN68.3 Describe the ultrastructure of nervous tissue C-Batch | | Tutorial on PY9.1 to PY9.12 | | | |
| Saturday | Tutorial on PY9.1 to PY9.12 | | CM 2.1 Types of families and its role in health and disease | | OSPE on PY2.11.2 & PY2.11.3-C Batch BI11.21Demonstrate estimation of glucose, creatinine, urea and total protein in serum ----- GLUCOSE --- A BATCH AN68.3 Describe the ultrastructure of nervous tissue B-Batch | | AETCOM | SPORTS / EXTRA-CURRICULAR ACTIVITIES | | |

| 12 Week | 8.00-9.00 AM | 9.00-10.00 AM | 10.00-11.00 AM | 11.15 – 1.00 PM | 2.00 -3.00 PM | 3.00-4.00 PM | Submissions | |
|-----------|--|---|---|---|-------------------------|---|---|--|
| Monday | AN19.5 Describe factors maintaining importance arches of the foot with its importance | Early Clinical Exposure | | OSPE on PY2.11.4-B Batch BI11.21 Demonstrate estimation of glucose, creatinine, urea and total protein in serum ----- UREA --- <u>C BATCH</u> AN21.2 Identify & describe the features of 1st, 11th and 12 th thoracic vertebrae A-Batch | Lunch 1.00 PM – 2.00 PM | AN25.9 Demonstrate surface marking of lines of pleural reflection, lung borders and fissures, trachea, heart borders, apex beat & surface projection of valves of heart (Integration with Physiology) | | |
| Tuesday | PY5.3.2 Pressure and volume Changes in cardiac cycle | AN19.6 Explain the anatomical basis of Flat foot & Club foot | PY5.4 Origin and spread of cardiac Impulse. Ionic bases of Pacemaker potential and Action potential in S.A node | OSPE on PY2.11.4-A Batch BI11.21 Demonstrate estimation of glucose, creatinine, urea and total protein in serum ----- UREA --- <u>B BATCH</u> AN21.2 Identify & describe the features of 1st, 11th and 12 th thoracic vertebrae C-Batch | | AN25.7 Identify structures seen on a plain x-ray chest (PA view) AN25.8 Identify and describe in brief a barium swallow | | |
| Wednesday | BI 6.5 Describe the biochemical role of vitamins in the body and explain the manifestations of their deficiency Vitamin- NIACIN & RIBOFLAVIN (PE-12.16 ,DR - 17.2) | PY5.5 Describe the physiology of ECG, its applications and Cardiac axis | AN78.5 Describe in brief abortion; decidual reaction, pregnancy test | OSPE on PY2.11.4-C Batch BI11.21 Demonstrate estimation of glucose, creatinine, urea and total protein in serum ----- UREA --- <u>A BATCH</u> AN21.2 Identify & describe the features of 1st, 11th and 12 th thoracic vertebrae B-Batch | | PCT on thorax | PY5-Assignment 2 on Pressure and Volume Changes in Cardiac cycle Record submission & regional assessment on Thorax | |
| Thursday | AN19.7 Explain the anatomical basis of Metatarsalgia & Plantar fasciitis | BI 6.5 Describe the biochemical role of vitamins in the body and explain the manifestations of their deficiency Vitamin- BIOTIN ,PYRIDOXINE (PE- 12.17) | PY5.6 Describe abnormal ECG, arrhythmias , heart block and myocardial infraction | PY9.9 Interpret a normal semen analysis report including (a) sperm count, (b) sperm morphology and (c) sperm motility, as per WHO guidelines and discuss the results-B Batch BI11.21 Demonstrate estimation of glucose, creatinine, urea and total protein in serum & BI11.7 Demonstrate the estimation of serum creatinine and creatinine clearance -- <u>C BATCH</u> AN69.1 Identify elastic & muscular blood vessels, capillaries under the microscope A-Batch | | AN20.7 Identify & demonstrate important bony landmarks of lower limb: -Vertebral levels of highest point of iliac crest, posterior superior iliac spines, iliac tubercle, pubic tubercle, ischial tuberosity, adductor tubercle, Tibial tuberosity, head of fibula, Medial and lateral malleoli, Condyles of femur and tibia, sustentaculum tali, tuberosity of fifth metatarsal, tuberosity of the navicular | Gross record assignment & viva Histology record assignment & viva | |
| Friday | (AN20.4 Explain anatomical basis of enlarged inguinal lymph nodes) Biochemistry | SDL on PY5.5 ECG Recording | Biochemistry SDL | PY9.9 Interpret a normal semen analysis report including (a) sperm count, (b) sperm morphology and (c) sperm motility, as per WHO guidelines and discuss the results -A Batch BI11.21 Demonstrate estimation of glucose, creatinine, urea and total protein in serum BI11.7 Demonstrate the estimation of serum creatinine and creatinine clearance ---- <u>B BATCH</u> AN69.1 Identify elastic & muscular blood vessels, capillaries under the microscope C-Batch | | PY5.5 ECG Recording | | |
| Saturday | PY5.6 ECG Interpretation | | CM 2.2 Assessment of socio-economic status – SGT | PY9.9 Interpret a normal semen analysis report including (a) sperm count, (b) sperm morphology and (c) sperm motility, as per WHO guidelines and discuss the results -C Batch BI11.21 Demonstrate estimation of glucose, creatinine, urea and total protein in serum & BI11.7 Demonstrate the estimation of serum creatinine and creatinine clearance --- <u>A BATCH</u> AN69.1 Identify elastic & muscular blood vessels, capillaries under the microscope B-Batch | | AETCOM | SPORTS / EXTRA-CURRICULAR ACTIVITIES | PY5-Assignment 3 on Physiology of ECG & abnormal ECG |

Break 15 min

| 13 Week | 8.00-9.00 AM | 9.00-10.00 AM | 10.00-11.00 AM | | 11.15 – 1.00 PM | | 2.00 -3.00 PM | 3.00-4.00 PM | Submissions |
|-----------|---|---|---|--------------|--|-------------------------|---|--|-------------------------------------|
| Monday | AN20.5 Explain anatomical basis of varicose veins and deep vein thrombosis | Early Clinical Exposure | | Break 15 min | PY9.10 Discuss the physiological basis of various pregnancy tests -B Batch BI11.21 Demonstrate estimation of glucose, creatinine, urea and total protein in serum & BI11.7 Demonstrate the estimation of serum creatinine and creatinine clearance ---- <u>C BATCH</u> Assessment - II (Thorax) A-Batch | Lunch 1.00 PM – 2.00 PM | AN49.4 Describe & demonstrate boundaries, content & applied anatomy of Ischiorectal fossa Pudendal canal & pudendal block | | |
| Tuesday | PY5.7 Describe and discuss hemodynamic of circulatory system | AN44.3 Describe the formation of rectus sheath and its contents | PY5.8 Describe and discuss local and systemic cardiovascular regulatory mechanisms | | PY9.10 Discuss the physiological basis of various pregnancy tests -A Batch BI11.21 Demonstrate estimation of glucose, creatinine, urea and total protein in serum & BI11.7 Demonstrate the estimation of serum creatinine and creatinine clearance ---- <u>B BATCH</u> Assessment - II (Thorax) C-Batch | | AN49.4 Describe & demonstrate boundaries, content & applied anatomy of Ischiorectal fossa Pudendal canal & pudendal block (Integration with General surgery) | | |
| Wednesday | BI 6.5 Describe the biochemical role of vitamins in the body and explain the manifestations of their deficiency Vitamin-FOLIC ACID (PE-12.18) | PY5.9.1 Describe factors effecting Heart rate | AN79.2 Describe formation & fate of notochord AN79.3 Describe the process of neurulation | | PY9.10 Discuss the physiological basis of various pregnancy tests -B Batch PY9.9 Interpret a normal semen analysis report including (a) sperm count, (b) sperm morphology and (c) sperm motility, as per WHO guidelines and discuss the results -C Batch BI11.21 Demonstrate estimation of glucose, creatinine, urea and total protein in serum & BI11.7 Demonstrate the estimation of serum creatinine and creatinine clearance ---- <u>A BATCH</u> Assessment - II (Thorax) B-Batch | | AN49.1 Describe & demonstrate the superficial & deep perineal pouch (boundaries and contents) (Integration with Obstetrics & Gynaecology) | | |
| Thursday | AN44.5 Explain the anatomical basis of inguinal hernia. | BI 6.5 Describe the biochemical role of vitamins in the body and explain the manifestations of their deficiency Vitamin-PANTHOTHENIC ACID ,B12(PA-15.5) | PY5.9.2 cardiac output definition Factors effecting it and Measurement of cardiac Output | | OSPE on PY9.9-B Batch BI11.7 Demonstrate the estimation of serum creatinine and creatinine clearance ---- URINE CREATININE ESTIMATION <u>C BATCH</u> AN69.2 Describe the various types and structure-function correlation of blood vessel A-Batch | | AN49.2 Describe & identify Perineal body AN49.3 Describe & demonstrate Perineal membrane in male & female | Gross record assignment & viva Histology record assignment & viva | |
| Friday | AITO –Polycystic Ovarian Syndrome Anatomy & diseases of ovary | | | | OSPE on PY9.9-A Batch BI11.7 Demonstrate estimation of serum creatinine and creatinine clearance ---- URINE CREATININE ESTIMATION - <u>B BATCH</u> AN69.2 Describe the various types and structure-function correlation of blood vessel C-Batch | | PY5.13 Record and interpret normal ECG in a volunteer or simulated environment | | |
| Saturday | Tutorial on PY9.1 to PY9.12 | | CM 2.3 Barriers to good health and health seeking behaviour | | OSPE on PY9.9-C Batch BI11.7 Demonstrate estimation of serum creatinine and creatinine clearance ---- URINE CREATININE ESTIMATION - -- <u>A BATCH</u> AN69.2 Describe the various types and structure-function correlation of blood vessel B-Batch | | AETCOM | SPORTS / EXTRA-CURRICULAR ACTIVITIES | PY5-Assignment 4 on Cardiac Output, |

| 14 Week | 8.00-9.00 AM | 9.00-10.00 AM | 10.00-11.00 AM | 11.15 – 1.00 PM | 2.00 -3.00 PM | 3.00-4.00 PM | Submissions |
|-----------|--|---|---|---|--|--------------|--|
| Monday | AN44.7 Enumerate common Abdominal incisions | PY5.6 ECG Interpretation - Visit to General Medicine Ward | | PY5.12 Record blood pressure & pulse at rest and in different grades of exercise and postures in a volunteer or simulated environment-B Batch BI11.21 Demonstrate estimation of glucose, creatinine, urea and total protein in serum & BI11.8 Demonstrate estimation of serum proteins, albumin and A:G ratio -- BI 11.22 - -- <u>C BATCH</u> AN14.1 & AN14.2 Identify the given bone, its side, important features & keep it in anatomical position (Hip bone -I). Identify & describe joints formed by the given bone A-Batch | AN15.2 Describe and demonstrate major muscles of anterior compartment of thigh with their attachment, nerve supply and actions | | |
| Tuesday | PY5.9.3 define blood pressure and Methods of measuring it | AN45.1 Describe Thoracolumbar fascia AN45.3 Mention the major subgroups of back muscles, nerve supply and action | PY5.9.4 long term and short term Control of blood pressure | PY5.12 Record blood pressure & pulse at rest and in different grades of exercise and postures in a volunteer or simulated environment-A Batch BI11.21 Demonstrate estimation of glucose, creatinine, urea and total protein in serum & BI11.8 Demonstrate estimation of serum proteins, albumin and A:G ratio ---BI 11.22 - -- <u>B BATCH</u> AN14.1 & AN14.2 Identify the given bone, its side, important features & keep it in anatomical position (Hip bone -I). Identify & describe joints formed by the given bone C-Batch | AN15.1 Describe and demonstrate origin, course, relations, branches (or tributaries), termination of important nerves and vessels of anterior thigh | | |
| Wednesday | BI 6.5 Describe the biochemical role of vitamins in the body and explain the manifestations of their deficiency Vitamin-C (DR-17.3-PE-12.19 TO 12.21) | PY5.10.1 Describe & discuss regional circulation including microcirculation , | AN79.4 Describe the development of somites and intra-embryonic coelom | PY5.12 Record blood pressure & pulse at rest and in different grades of exercise and postures in a volunteer or simulated environment-C Batch BI11.21 Demonstrate estimation of glucose, creatinine, urea and total protein in serum & BI11.8 Demonstrate estimation of serum proteins, albumin and A:G ratio --BI 11.22 - -- <u>A BATCH</u> AN14.1 & AN14.2 Identify the given bone, its side, important features & keep it in anatomical position (Hip bone -I). Identify & describe joints formed by the given bone B-Batch | AN15.3 Describe and demonstrate boundaries, floor, roof and contents of femoral triangle AN15.4 Explain anatomical basis of Psoas abscess & Femoral hernia (Integration with General surgery) | | PY5-Assignment 5 on Blood Pressure |
| Thursday | AN46.4 Explain the anatomical basis of Varicocele AN46.5 Explain the anatomical basis of Phimosis & Circumcision | BI6.6 Describe the biochemical processes involved in generation of energy in cells (ETC). | PY5.10.2 lymphatic circulation, Coronary, cerebral ,capillary, skin, foetal, pulmonary and splanchnic circulation | PY5.14 Observe cardiovascular autonomic function tests in a volunteer or simulated environment-B Batch BI11.21 Demonstrate estimation of glucose, creatinine, urea and total protein in serum & BI11.8 Demonstrate estimation of serum proteins, albumin and A:G ratio --BI 11.22 - -- <u>C BATCH</u> AN69.3 Describe the ultrastructure of blood vessels A-Batch | AN15.5 Describe and demonstrate adductor canal with its content | | Gross record assignment & viva Histology record assignment & viva |
| Friday | (AN47.3 Explain anatomical basis of Ascites & Peritonitis AN47.4 Explain anatomical basis | SDL on PY9.1 to PY9.12 | Biochemistry SDL | PY5.14 Observe cardiovascular autonomic function tests in a volunteer or simulated environment-A Batch BI11.21 Demonstrate estimation of glucose, | Tutorial on PY9.1 to PY9.12 | | |

Break 15 min

Lunch 1.00 PM – 2.00 PM

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|----------|---|--|--|--|--------|--------------------------------------|---|
| | of Subphrenic abscess) | | | creatinine, urea and total protein in serum & BI11.8 Demonstrate estimation of serum proteins, albumin and A:G ratio -- BI 11.22 -- <u>B</u> BATCH AN69.3 Describe the ultrastructure of blood vessels C-Batch | | | |
| Saturday | Written assessment 1 on PY9.1 to PY9.12 | CM 2.4 Social psychology, community behaviour and community relationship and their impact on health and disease. – SGT | | PY5.14 Observe cardiovascular autonomic function tests in a volunteer or simulated environment-C Batch BI11.21 Demonstrate estimation of glucose, creatinine, urea and total protein in serum & BI11.8 Demonstrate estimation of serum proteins, albumin and A:G ratio -- BI 11.22 -- <u>A</u> BATCH AN69.3 Describe the ultrastructure of blood vessels B-Batch | AETCOM | SPORTS / EXTRA-CURRICULAR ACTIVITIES | PY5-Assignment 6 on Lymphatic, Cerebral, Coronary circulation |

| 15Week | 8.00-9.00 AM | 9.00-10.00 AM | 10.00-11.00 AM | | 11.15 – 1.00 PM | | 2.00 -3.00 PM | 3.00-4.00 PM | Submissions |
|-----------|--|--|---|--------------|--|-------------------------|---|--------------|--|
| Monday | AN47.6 Explain the anatomical basis of Splenic notch, Accessory spleens, Kehr's sign, Different types of vagotomy, Liver biopsy (site of needle puncture). Referred pain in cholecystitis, Obstructive jaundice, Referred pain around umbilicus, Radiating pain of kidney to groin & Lymphatic spread in carcinoma stomach | Early Clinical Exposure | | Break 15 min | PY11.13 Obtain history and perform general examination in the volunteer / simulated environment-B Batch BI11.9 Demonstrate the estimation of serum total cholesterol and HDL- cholesterol -- <u>C BATCH</u> AN14.1 & AN14.2 Identify the given bone, its side, important features & keep it in anatomical position (Femur) Identify & describe joints formed by the given bone A-Batch | Lunch 1.00 PM – 2.00 PM | AN16.1 Describe and demonstrate origin, course, relations, branches (or tributaries), termination of important nerves and vessels of gluteal region | | |
| Tuesday | PY5.11.1 Describe the patho-physiology of shock, | AN47.7 Mention the clinical importance of Calot's triangle AN47.10 Enumerate the sites of portosystemic anastomosis AN47.11 Explain the anatomic basis of hematemesis & caput medusae in portal hypertension | PY5.11.2 syncope and heart failure | | PY11.13 Obtain history and perform general examination in the volunteer / simulated environment-A Batch BI11.9 Demonstrate the estimation of serum total cholesterol and HDL- cholesterol <u>B-BATCH</u> AN14.1 & AN14.2 Identify the given bone, its side, important features & keep it in anatomical position (Femur) Identify & describe joints formed by the given bone C-Batch | | AN16.2 Describe anatomical basis of sciatic nerve injury during gluteal intramuscular injections AN16.3 Explain the anatomical basis of Trendelenburg sign | | |
| Wednesday | BI.6.6 Describe the biochemical processes involved in generation of energy in cells. (OXIDATIVE PHOSPHORYLATION) | PY4.1 Describe the structure and functions of digestive system | AN79.5 Explain embryological basis of congenital malformations, nucleus pulposus, sacrococcygeal teratomas, neural tube defects | | PY11.13 Obtain history and perform general examination in the volunteer / simulated environment-C Batch BI11.9 Demonstrate the estimation of serum total cholesterol and HDL- cholesterol <u>A – BATCH</u> AN14.1 & AN14.2 Identify the given bone, its side, important features & keep it in anatomical position (Femur) Identify & describe joints formed by the given bone B-Batch | | AN16.6 Describe and demonstrate the boundaries, roof, floor, contents and relations of popliteal fossa | | PY5-Assignment 7 on Shock |
| Thursday | AN47.12 Describe important nerve plexuses of posterior abdominal wall | BI3.2 Describe the processes involved in digestion and assimilation of carbohydrates and storage (PY 4.2 & 4.4) | PY4.5 Describe the source of GIT hormones, their regulation and functions | | PY5.15 Demonstrate the correct clinical examination of the cardiovascular system in a normal volunteer or simulated environment-B Batch BI11.10 Demonstrate the estimation of triglycerides---LIPID PROFILE <u>C BATCH</u> AN70.1 Identify exocrine gland under the microscope & distinguish between serous, mucous and mixed acini A-Batch | | AN16.6 Describe and demonstrate the boundaries, roof, floor, contents and relations of popliteal fossa | | Gross record assignment & viva Histology record assignment & viva |

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| Friday | <p style="text-align: center;">Horizontal Integration Anatomy of stomach Physiology Biochemistry GIT –HORMONES</p> | | <p>PY5.15 Demonstrate the correct clinical examination of the cardiovascularsystem in a normal volunteer or simulated environment-A Batch <u>BI11.10Demonstrate the estimation of triglycerides---LIPID PROFILE</u> <u>B – BATCH</u> AN70.1 Identify exocrine gland under the microscope & distinguish between serous, mucous and mixed acini C-Batch</p> | <p style="text-align: center;">PY6.11 Clinical Charts & Calculations</p> | | |
| Saturday | <p style="text-align: center;">PY5.17 Clinical Charts & Calculations</p> | <p>CM 2.5 socioeconomic scale, Poverty and social security measures in relationship to health & disease- SDL</p> | <p>PY5.15 Demonstrate the correct clinical examination of the cardiovascularsystem in a normal volunteer or simulated environment-C Batch <u>BI11.10Demonstrate the estimation of triglycerides---LIPID PROFILE</u> <u>A – BATCH</u> AN70.1 Identify exocrine gland under the microscope & distinguish between serous, mucous and mixed acini B-Batch</p> | <p style="text-align: center;">AETCOM</p> | <p style="text-align: center;">SPORTS / EXTRA-CURRICULAR ACTIVITIES</p> | |

| 16 Week | 8.00-9.00 AM | 9.00-10.00 AM | 10.00-11.00 AM | 11.15 – 1.00 PM | 2.00 -3.00 PM | 3.00-4.00 PM | Submissions |
|-----------|---|---|--|--|-------------------------|--|---|
| Monday | AN47.14 Describe the abnormal openings of thoracoabdominal diaphragm and diaphragmatic hernia | Early Clinical Exposure | | PY5.16 Record Arterial pulse tracing using finger plethysmography in a volunteer or simulated environment -B Batch BI11.11 Demonstrate estimation of calcium and phosphorous – C BATCH AN14.1 & AN14.2 Identify the given bone, its side, important features & keep it in anatomical position (Patella) Identify & describe joints formed by the given bone A-Batch | | AN16.4 Describe and demonstrate the hamstrings group of muscles with their attachment, nerve supply and actions | |
| Tuesday | PY4.2.1 Describe the composition, mechanism of secretion, functions, and regulation of saliva | AN48.4 Describe the branches of sacral plexus | PY4.2.2.1 Describe the composition, mechanism of secretion of gastric juice | PY5.16 Record Arterial pulse tracing using finger plethysmography in a volunteer or simulated environment -A Batch BI11.11 Demonstrate estimation of calcium and phosphorous – B BATCH AN14.1 & AN14.2 Identify the given bone, its side, important features & keep it in anatomical position (Patella) Identify & describe joints formed by the given bone C-Batch | | AN16.5 Describe and demonstrate the origin, course, relations, branches (or tributaries), termination of important nerves and vessels on the back of thigh | |
| Wednesday | BI 3.3 Describe and discuss the digestion and assimilation of carbohydrates from food. | PY4.2.2.2 Describe the composition, mechanism of functions, and regulation of gastric juice | AN79.6 Describe the diagnosis of pregnancy in first trimester and role of teratogens, alpha-fetoprotein | PY5.16 Record Arterial pulse tracing using finger plethysmography in a volunteer or simulated environment -C Batch BI11.11 Demonstrate estimation of calcium and phosphorous – A BATCH AN14.1 & AN14.2 Identify the given bone, its side, important features & keep it in anatomical position (Patella) Identify & describe joints formed by the given bone B-Batch | Lunch 1.00 PM – 2.00 PM | AN19.1 Describe and demonstrate the major muscles of back of leg with their attachment, nerve supply and actions | |
| Thursday | AN48.5 Explain the anatomical basis of suprapubic cystostomy, Urinary obstruction in benign prostatic hypertrophy, Retroverted uterus, Prolapse uterus. Internal and external haemorrhoids, Anal fistula, Vasectomy, Tubal pregnancy & Tubal ligation | BI 3.4 Define and differentiate the pathways of carbohydrate metabolism, (glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt). Glycolysis (OP 7.1, PY-3.11 & PA 16.1) | PY4.2.3 Describe the composition, mechanism of secretion, functions, and regulation of pancreatic juice and intestinal juice | PY6.9 Demonstrate the correct clinical examination of the respiratory system in a normal volunteer or simulated environment. -B Batch BI11.12 Demonstrate the estimation of serum bilirubin – C BATCH AN70.2 Identify the lymphoid tissue under the microscope & describe microanatomy of lymph node, spleen and correlate the structure with function A-Batch | | AN19.2 Describe and demonstrate the origin, course, relations, branches (or tributaries), termination of important nerves and vessels of back of leg | PY4-Assignment 1 on Phases and Mechanism of Gastric Secretion and its regulation. Physiological basis of Gastric ulcer treatment Gross record assignment & viva Histology record assignment & viva |
| Friday | Horizontal Integration Anatomy of pancreas Physiology Biochemistry PANCREATIC FUNCTION TESTS EXOCRINE | | | PY6.9 Demonstrate the correct clinical examination of the respiratory system in a normal volunteer or simulated environment. - A Batch BI11.12 Demonstrate the estimation of serum bilirubin – B BATCH AN70.2 Identify the lymphoid tissue under the microscope & describe microanatomy of lymph node, spleen and correlate the structure with function C-Batch | | Tutorial on PY6.1 to PY6.3.2 | |

Break 15 min

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| Saturday | Tutorial on PY6.1 to PY6.3.2 | CM 2 Relationship of social and behavioural to health and disease – TUTORIAL | PY6.9 Demonstrate the correct clinical examination of the respiratory system in a normal volunteer or simulated environment. -C Batch BI11.12 Demonstrate the estimation of serum bilirubin – A_BATCH AN70.2 Identify the lymphoid tissue under the microscope & describe microanatomy of lymph node, spleen and correlate the structure with function B-Batch | AETCOM | SPORTS / EXTRA-CURRICULAR ACTIVITIES | PY4-Assignment 2 on Composition, Mechanism of secretion and regulation of Pancreatic juice. |
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| 17 Week | 8.00-9.00 AM | 9.00-10.00 AM | 10.00-11.00 AM | | 11.15 – 1.00 PM | | 2.00 -3.00 PM | 3.00-4.00 PM | Submissions |
|-----------|--|---|--|--------------|---|-----------------------------|---|--|------------------------------|
| Monday | AN48.6 Describe the neurological basis of Automatic bladder | Early Clinical Exposure | | Break 15 min | PY6.8 Demonstrate the correct technique to perform & interpret Spirometry -B Batch BI11.13 Demonstrate the estimation of SGOT/ SGPT BI 2.2 --C BATCH AN14.1 & AN14.2 Identify the given bone, its side, important features & keep it in anatomical position (Tibia) Identify & describe joints formed by the given bone A-Batch | Lunch 1.00 P M – 2.00 PM | AN14.4 Identify and name various bones in the articulated foot with individual muscle attachment Dissection of sole | | |
| Tuesday | PY4.7 + PY4.2.4 Describe & discuss the structure and functions of liver and gallbladder. Describe the composition, mechanism of secretion, functions, and regulation of bile juice | AN48.7 Mention the lobes involved in benign prostatic hypertrophy & prostatic cancer | PY4.3.2 Describe GIT movements - gastric motility and emptying , MMC | | PY6.8 Demonstrate the correct technique to perform & interpret Spirometry -A Batch BI11.13 Demonstrate the estimation of SGOT/ SGPT BI 2.2 --B BATCH AN14.1 & AN14.2 Identify the given bone, its side, important features & keep it in anatomical position (Tibia) Identify & describe joints formed by the given bone C-Batch | | Dissection of sole | | |
| Wednesday | BI 3.4 Define and differentiate the pathways of carbohydrate metabolism, (glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt). GLYCOGEN METABOLISM | PY4.3.2 Describe GIT movements - small and large intestine motility, defecation, role of dietary fibres | AN80.1 Describe formation, functions & fate of-chorion: amnion; yolk sac; allantois & decidua | | PY6.8 Demonstrate the correct technique to perform & interpret Spirometry -C Batch BI11.13 Demonstrate the estimation of SGOT/ SGPT BI 2.2 --A BATCH AN14.1 & AN14.2 Identify the given bone, its side, important features & keep it in anatomical position (Tibia) Identify & describe joints formed by the given bone B-Batch | | AN20.2 Describe the subtalar and transverse tarsal joints | | |
| Thursday | AN48.8 Mention the structures palpable during vaginal & rectal examination AN49.5 Explain the anatomical basis of Perineal tear, Episiotomy, Perianal abscess and Anal fissure | BI3.6 Describe and discuss the concept of TCA cycle as a amphibolic pathway and its regulation | PY4.7 + PY4.2.4 Describe & discuss the structure and functions of liver and gallbladder. Describe the composition, mechanism of secretion, functions, and regulation of bile juice | | PY6.10 Demonstrate the correct technique to perform measurement of peak expiratory flow rate in a normal volunteer or simulated environment-B Batch BI11.14 Demonstrate the estimation of alkaline phosphatase – C BATCH AN70.2 Describe microanatomy of thymus, tonsil and correlate the structure with function A-Batch | | AN17.1 Describe and demonstrate the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements and muscles involved, blood and nerve supply, bursae around the hip joint | PY4-Assignment 3 on Enumerate the type of Movements exhibited by different parts of GIT.Role of Prokinetics and anti-emetics Gross record assignment & viva Histology record assignment & viva | |
| Friday | Horizontal Integration Anatomy of Liver Physiology Biochemistry LIVER FUNCTION TESTS | | | | | | PY6.10 Demonstrate the correct technique to perform measurement of peak expiratory flow rate in a normal volunteer or simulated environment-A Batch BI11.14 Demonstrate the estimation of alkaline phosphatase – B BATCH AN70.2 Describe microanatomy of thymus, tonsil and correlate the structure with function C-Batch | | Tutorial on PY6.1 to PY6.3.2 |

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| Saturday | Written assessment 1 on PY6.1 to PY6.3.2 | CM 3.1 introduction to environment Air pollution and its hazards | PY6.10 Demonstrate the correct technique to perform measurement of peak expiratory flow rate in a normal volunteer or simulated environment -C Batch BI11.14 Demonstrate the estimation of alkaline phosphatase – <u>A BATCH</u> AN70.2 Describe microanatomy of thymus, tonsil and correlate the structure with function B-Batch | AETCOM | SPORTS / EXTRA-CURRICULAR ACTIVITIES | PY4-Assignment 4 on Types of Jaundice and their Physiological basis. Interpretation of Lab. Reports.. |
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| 18 Week | 8.00-9.00 AM | 9.00-10.00 AM | 10.00-11.00 AM | | 11.15 – 1.00 PM | | 2.00 -3.00 PM | 3.00-4.00 PM | Submissions |
|-----------|--|---|--|--------------|--|-------------------------|--|--|-------------|
| Monday | AN50.1 Describe the curvatures of the vertebral column AN50.4 Explain the anatomical basis of Scoliosis, Lordosis, Prolapsed disc, Spondylolisthesis & Spina bifida AN50.3 Describe lumbar puncture (site, direction of the needle, structures pierced during the lumbar puncture) | PY2.5 Visit to General Medicine Ward- Jaundice | | Break 15 min | OSCE on PY5.15-B Batch BI11.15 Describe & discuss the composition of CSF <u>C BATCH</u> AN14.1 & AN14.2 Identify the given bone, its side, important features & keep it in anatomical position (Fibula) Identify & describe joints formed by the given bone A-Batch | Lunch 1.00 PM – 2.00 PM | AN18.1 Describe and demonstrate major muscles of anterior compartment of leg with their attachment, nerve supply and actions AN18.2 Describe and demonstrate origin, course, relations, branches (or tributaries), termination of important nerves and vessels of anterior compartment of leg | | |
| Tuesday | PY4.4 Describe the physiology of digestion and absorption of nutrients | AN26.6 Explain the concept of bones that ossify in membrane | PY4.8.1 Describe & discuss gastric function tests, pancreatic exocrine function tests & liver function tests | | OSCE on PY5.15-A Batch BI11.15 Describe & discuss the composition of CSF <u>B BATCH</u> AN14.1 & AN14.2 Identify the given bone, its side, important features & keep it in anatomical position (Fibula) Identify & describe joints formed by the given bone C-Batch | | Dorsum of foot | | |
| Wednesday | BI 3.4 Define and differentiate the pathways of carbohydrate metabolism, (glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt). GLUCONEOGENESIS | PY4.9 Discuss the physiology aspects of: peptic ulcer, gastroesophageal reflux disease, vomiting, diarrhoea, constipation, Adynamic ileus, Hirschsprung's disease | AN80.2 Describe formation & structure of umbilical cord AN80.7 Describe various types of umbilical cord attachments | | OSCE on PY5.15-C Batch BI11.15 Describe & discuss the composition of CSF <u>A BATCH</u> AN14.1 & AN14.2 Identify the given bone, its side, important features & keep it in anatomical position (Fibula) Identify & describe joints formed by the given bone B-Batch | | AN18.3 Explain the anatomical basis of foot drop Lateral compartment of leg. | | |
| Thursday | AN27.2 Describe emissary veins with its role in spread of infection from extracranial route to intracranial venous sinuses AN28.8 Explain surgical importance of deep facial vein AN33.4 Explain the clinical significance of pterygoid venous plexus | BI 3.4 Define and differentiate the pathways of carbohydrate metabolism, (glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt). HMP PATHWAY (PA-16.2) | PY4.6 Describe the Gut-Brain Axis | | PY4.10 Demonstrate the correct clinical examination of the abdomen in a normal volunteer or simulated environment -B Batch BI11.15 Describe & discuss the composition of CSF <u>C BATCH</u> AN71.1 Identify bone under the microscope; classify various types and describe the structure-function correlation of the same A-Batch | | AN18.4 Describe and demonstrate the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements and muscles involved, blood and nerve supply, bursae around the knee joint AN18.5 Explain the anatomical basis of locking and unlocking of the knee joint | Gross record assignment & viva Histology record assignment & viva | |
| Friday | AITO- Jaundice BILIRUBIN METABOLISM (AN54.3 Describe role of ERCP, CT abdomen, MRI, Arteriography in radiodiagnosis of abdomen) | | | | PY4.10 Demonstrate the correct clinical examination of the abdomen in a normal volunteer or simulated environment -A Batch BI11.15 Describe & discuss the composition of CSF <u>B BATCH</u> AN71.1 Identify bone under the microscope; classify various types and describe the structure- | | Tutorial on PY6.0.1, PY6.0.2, PY6.4 to PY6.6 | | |

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| | | | function correlation of the same C-Batch | | | |
| Saturday | Tutorial on PY6.0.1,PY6.0.2,PY6.4 to PY6.6 | CM 3.1 soil pollution and Noise pollution and its hazards | <p>PY4.10 Demonstrate the correct clinical examination of the abdomen in a normal volunteer or simulated environment -C Batch</p> <p>BI11.15 Describe & discuss the composition of CSF</p> <p><u>A_BATCH</u></p> <p>AN71.1 Identify bone under the microscope; classify various types and describe the structure-function correlation of the same B-Batch</p> | | AETCOM | SPORTS / EXTRA-CURRICULAR ACTIVITIES |

| 19 Week | 8.00-9.00 AM | 9.00-10.00 AM | 10.00-11.00 AM | 11.15 – 1.00 PM | 2.00 -3.00 PM | 3.00-4.00 PM | Submissions |
|-----------|--|---|--|--|-------------------------|--|---|
| Monday | AN28.10 Explain the anatomical basis of Frey's syndrome AN29.2 Explain anatomical basis of Erb's & Klumpke's palsy AN29.3 Explain anatomical basis of wry neck | PY4.8.2 Demonstration : Esophageal manometry and endoscopy-Visit to Gastroenterology OP | | Revision-B Batch BI11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including: ---- •Quality control <u>C BATCH</u> AN14.4 Identify and name various bones in the articulated foot with individual muscle attachment A-Batch | Lunch 1.00 PM – 2.00 PM | AN20.1 Describe and demonstrate the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements and muscles involved, blood and nerve supply of tibiofibular and ankle joint | |
| Tuesday | PY7.1 + PY7.01 Describe structure and function of kidney and Nephron, renal blood flow | AN30.4 Describe clinical importance of dural venous sinuses | PY7.3.1 + PY7.2 Describe the mechanism of urine formation involving processes of filtration. Describe the structure and functions of juxta glomerular apparatus and role of renin-angiotensin system | Revision-A Batch BI11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including: ---- •Quality control <u>B BATCH</u> AN14.4 Identify and name various bones in the articulated foot with individual muscle attachment C-Batch | | AN20.3 Describe and demonstrate Fascia lata, Venous drainage, Lymphatic drainage, Retinacula & Dermatomes of lower limb | |
| Wednesday | BI3.5 Describe and discuss the regulation, functions and integration of carbohydrate along with associated diseases/disorders BI 3.7 Describe the common poisons that inhibit crucial enzymes of carbohydrate metabolism (eg; fluoride, arsenate) | PY7.3.2 Describe the mechanism of tubular reabsorption & secretion | AN80.3 Describe formation of placenta, its physiological functions, foetomaternal circulation & placental barrier AN80.5 Describe role of placental hormones in uterine growth & parturition | Revision-C Batch BI11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including: ---- •Quality control <u>A BATCH</u> AN14.4 Identify and name various bones in the articulated foot with individual muscle attachment B-Batch | | AN20.8 Identify & demonstrate palpation of femoral, popliteal, post tibial, anti tibial & dorsalis pedis blood vessels in a simulated environment | |
| Thursday | AN30.5 Explain effect of pituitary tumours on visual pathway | BI 3.9 Discuss the mechanism and significance of blood glucose regulation in health and disease | PY7.3.3 Describe the mechanism of concentration and diluting mechanism of urine. | Revision-B Batch BI11.23 Calculate energy content of different food Items, identify food items with high and low glycemic index and explain the importance of these in the diet – <u>C BATCH</u> AN71.2 Identify cartilage under the microscope & describe various types and structure- function correlation of the same A-Batch | | AN20.9 Identify & demonstrate Palpation of vessels (femoral, popliteal, dorsalis pedis, post tibial), Mid inguinal point, Surface projection of: femoral nerve, Saphenous opening, Sciatic, tibial, common peroneal & deep peroneal nerve, Great and small saphenous veins | PY7.-Assignment 1 on Structure of Nephron Gross record assignment & viva Histology record assignment & viva |
| Friday | Horizontal Integration Anatomy of kidney Physiology Biochemistry KIDNEY FUNCTION TESTS | | | Revision-A Batch BI11.23 Calculate energy content of different food Items, identify food items with high and low glycemic index and explain the importance of these in the diet – <u>B BATCH</u> AN71.2 Identify cartilage under the microscope & describe various types and structure- function correlation of the same C-Batch | | Tutorial on PY6.0.1, PY6.0.2, PY6.4 to PY6.6 | |

Break 15 min

| | | | | | | |
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| Saturday | Written assessment 2 on PY6.0.1,PY6.0.2,PY6.4 to PY6.6 | CM 3.1 Radiation and its hazards | Revision-C Batch BI11.23 Calculate energy content of different food Items, identify food items with high and low glycemic index and explain the importance of these in the diet – <u>A-BATCH</u> AN71.2 Identify cartilage under the microscope & describe various types and structure- function correlation of the same B-Batch | AETCOM | SPORTS / EXTRA-CURRICULAR ACTIVITIES | PY7.-Assignment 2 on Formation & Concentration of urine |
|----------|--|----------------------------------|--|--------|--------------------------------------|---|

| 20 Week | 8.00-9.00 AM | 9.00-10.00 AM | 10.00-11.00 AM | 11.15 – 1.00 PM | 2.00 -3.00 PM | 3.00-4.00 PM | Submissions |
|-----------|--|--|---|---|---|--------------------------------------|--|
| Monday | AN31.4 Enumerate components of lacrimal apparatus AN31.3 Describe anatomical basis of Horner's syndrome | Early Clinical Exposure | | OSPE on PY5.16-B Batch BI11.24 Enumerate advantages and/or disadvantages of use of unsaturated, saturated and trans fats in food. C – BATCH Assessment - III (Lower limb) A-Batch | AN20.6 Identify the bones and joints of lower limb seen in anteroposterior and lateral view radiographs of various regions of lower limb | | |
| Tuesday | PY7.5.1 Describe the renal regulation of fluid | AN31.5 Explain the anatomical basis of oculomotor, trochlear and abducent nerve palsies along with strabismus | PY7.5.2 Describe the renal regulation of electrolytes | OSPE on PY5.16-A Batch BI11.24 Enumerate advantages and/or disadvantages of use of unsaturated, saturated and trans fats in food. B – BATCH Assessment - III (Lower limb) C-Batch | PCT on lower limb & perineum | | Record submission & regional assessment on Lower limb & Perineum |
| Wednesday | BI6.7 Describe the processes involved in maintenance of normal pH, water & electrolyte balance of body fluids and the derangements associated with these. -Water & electrolytes (PY-4.9) | PY7.5.3 Describe renal regulation acid-base balance | AN80.4 Describe embryological basis of twinning in monozygotic & dizygotic twins | OSPE on PY5.16-C Batch BI11.24 Enumerate advantages and/or disadvantages of use of unsaturated, saturated and trans fats in food. A – BATCH Assessment - III (Lower limb) B-Batch | AN44.1 Describe & demonstrate the Planes (transpyloric, transtubercular, subcostal, lateral vertical, linea alba, linea semilunaris), regions & Quadrants of abdomen (Integration with General surgery) | | |
| Thursday | AN33.5 Describe the features of dislocation of temporomandibular joint | BI6.7 Describe the processes involved in maintenance of normal pH, water & electrolyte balance of body fluids and the derangements associated with these -P ^H regulation (PY-4.9) | PY7.6 + PY7.9 Describe the innervations of urinary bladder, physiology of micturition and its abnormalities + Describe cystometry and discuss the normal cystometrogram | OSCE on PY5.12 with 3 certifications-B Batch BI2.7 Interpret laboratory results of enzyme activities & describe the clinical utility of various enzymes as markers of pathological conditions --- (DOAP) C- BATCH AN72.1 Identify the skin and its appendages under the microscope and correlate the structure with function A-Batch | AN55.1 Demonstrate the surface marking of; Regions and planes of abdomen, Superficial inguinal ring, Deep inguinal ring , McBurney's point, Renal Angle & Murphy's point (Integration with General surgery) | | PY7.-Assignment 3 on Renal regulation of Acid –Base balance. Gross record assignment & viva Histology record assignment & viva |
| Friday | (AN34.2 Describe the basis of formation of submandibular stones) | Horizontal Integration ACID-BASE BALANCE Physiology Biochemistry | | OSCE on PY5.12 with 3 certifications-A Batch BI2.7 Interpret laboratory results of enzyme activities & describe the clinical utility of various enzymes as markers of pathological conditions--- (DOAP) B – BATCH AN72.1 Identify the skin and its appendages under the microscope and correlate the structure with function C-Batch | Viva voce on PY6.1 to PY6.10 | | |
| Saturday | Tutorial on PY5.1 to PY5.9 | | CM 3.1 Water pollution and its hazards | OSCE on PY5.12 with 3 certifications-C Batch BI2.7 Interpret laboratory results of enzyme activities & describe the clinical utility of various enzymes as markers of pathological conditions --- (DOAP) A - BATCH AN72.1 Identify the skin and its appendages under the microscope and correlate the structure with function B-Batch | AETCOM | SPORTS / EXTRA-CURRICULAR ACTIVITIES | PY7.-Assignment 4 on Micturation Reflex |

Break 15 min

Lunch 1.00 PM – 2.00 PM

| 21 Week | 8.00-9.00 AM | 9.00-10.00 AM | 10.00-11.00 AM | 11.15 – 1.00 PM | 2.00 -3.00 PM | 3.00-4.00 PM | Submissions |
|-----------|--|--|--|---|-------------------------|--|---|
| Monday | AN35.1 Describe the parts, extent, attachments, modifications of deep cervical fascia AN35.10 Describe the fascial spaces of neck | Early Clinical Exposure | | OSCE on PY5.15-B Batch BI3.8 Discuss and interpret laboratory results of analytes associated with metabolism of carbohydrates -(-SGD) <u>C-BATCH</u> AN53.1 Identify & hold the bone in the anatomical position, Describe the salient features, articulations & demonstrate the attachments of muscle groups(Hip bone -II) A-Batch | Lunch 1.00 PM – 2.00 PM | AN44.6 Describe & demonstrate attachments of muscles of anterior abdominal wall | |
| Tuesday | PY7.7 + PY7.02 Describe diuretics, artificial kidney, dialysis, Renal transplantation | AN35.7 Describe the course and branches of IX & X nerve in the neck | PY7.4 + PY7.8 Describe & discuss the significance & implication of Renal clearance. Describe & discuss Renal Function Tests | OSCE on PY5.15-A Batch BI3.8 Discuss and interpret laboratory results of analytes associated with metabolism of carbohydrates -(-SGD) <u>B –BATCH</u> AN53.1 Identify & hold the bone in the anatomical position, Describe the salient features, articulations & demonstrate the attachments of muscle groups(Hip bone -II) C-Batch | | AN44.2 Describe & identify the Fascia, nerves & blood vessels of anterior abdominal wall Rectus sheath | |
| Wednesday | BI6.7 Describe the processes involved in maintenance of normal pH, water & electrolyte balance of body fluids and the derangements associated with these. --ABNORMALITIES | PY8.6 Describe & differentiate the mechanism of action of steroid, protein and amine hormones | AN80.6 Explain embryological basis of estimation of fetal age. | OSCE on PY5.15-C Batch BI3.8 Discuss and interpret laboratory results of analytes associated with metabolism of carbohydrates -(-SGD) <u>A –BATCH</u> AN53.1 Identify & hold the bone in the anatomical position, Describe the salient features, articulations & demonstrate the attachments of muscle groups(Hip bone -II) B-Batch | | AN44.4 Describe & demonstrate extent, boundaries, contents of Inguinal canal including Hesselbach’s triangle. (Integration with General surgery) | |
| Thursday | AN35.7 Describe the course and branches of XI & XII nerve in the neck | BI4.2 Describe the processes involved in digestion and absorption of dietary lipids and also the key features of their metabolism (PY-4.2&4.7) | PY8.2.1.1 Describe the synthesis, secretion, transport, physiological actions, regulation and effect of altered (hypo and hyper) secretion of pituitary gland. | OSPE on PY5.16-B Batch BI3.10 Interpret the results of blood glucose levels and other laboratory investigations related to disorders of carbohydrate metabolism –(SGD) <u>C –BATCH</u> Assessment - I (General histology) A-Batch | | AN44.4 Describe & demonstrate extent, boundaries, contents of Inguinal canal including Hesselbach’s triangle. (Integration with General surgery) | PY7.-Assignment 5 on Renal Function Tests Gross record assignment & viva Histology record assignment & viva |
| Friday | AITO- Ischemic Heart Disease LIPIDS ,LIPOPROTEINS ,ENZYMES AN22.4 Describe anatomical basis of ischaemic heart disease | | | OSPE on PY5.16-A Batch BI3.10 Interpret the results of blood glucose levels and other laboratory investigations related to disorders of carbohydrate metabolism –(SGD) <u>B –BATCH</u> Assessment - I (General histology) C-Batch | | Tutorial on PY5.1 to PY5.9 | |
| Saturday | Tutorial on PY5.1 to PY5.9 | | CM 3.2 Safe wholesome water, sanitary sources of water | OSPE on PY5.16-C Batch BI3.10 Interpret the results of blood glucose levels and other laboratory investigations related to disorders of carbohydrate metabolism –(SGD) <u>A –BATCH</u> Assessment - I (General histology) B-Batch | | AETCOM | SPORTS / EXTRA-CURRICULAR ACTIVITIES |

Break 15 min

| 22 Week | 8.00-9.00 AM | 9.00-10.00 AM | 10.00-11.00 AM | | 11.15 – 1.00 PM | | 2.00 -3.00 PM | 3.00-4.00 PM | Submissions |
|-----------|---|---|---|--------------|---|-------------------------|--|--|--|
| Monday | AN36.1 Describe the 1) morphology, relations, blood supply and applied anatomy of palatine tonsil 2) composition of soft palate AN36.2 Describe the components and functions of Waldeyer's lymphatic ring AN36.4 Describe the anatomical basis of tonsillitis, tonsillectomy, adenoids and peri-tonsillar abscess | Early Clinical Exposure | | Break 15 min | Revision-B Batch BI4.5 Interpret laboratory results of analytes associated with metabolism of lipids ---BI 4.7 -C BATCH AN53.2 Demonstrate the anatomical position of bony pelvis & show boundaries of pelvic inlet, pelvic cavity, pelvic outlet A-Batch | Lunch 1.00 PM – 2.00 PM | Exposure of kidney from back by following Morris parallelogram Thoracolumbar fascia. | | |
| Tuesday | PY8.2.1.2 Describe the synthesis, secretion, transport, physiological actions, regulation and effect of altered (hypo and hyper) secretion of pituitary gland. | AN36.3 Describe the boundaries and clinical significance of pyriform fossa | PY8.2.2 Describe the synthesis, secretion, transport, physiological actions, regulation and effect of altered (hypo and hyper) secretion of thyroid gland | | Revision-A Batch BI4.5 Interpret laboratory results of analytes associated with metabolism of lipids ---BI 4.7 -B- BATCH AN53.2 Demonstrate the anatomical position of bony pelvis & show boundaries of pelvic inlet, pelvic cavity, pelvic outlet C-Batch | | AN46.1 Describe & demonstrate coverings, internal structure, side determination, blood supply, nerve supply, lymphatic drainage & descent of testis with its applied anatomy AN46.2 Describe parts of Epididymis AN46.3 Describe Penis under following headings: (parts, components, blood supply and lymphatic drainage) (Integration with General surgery) | | |
| Wednesday | BI4.4 Describe the structure and functions of lipoproteins, their functions, interrelations & relations with atherosclerosis | PY8.4.1 Describe function tests: Thyroid gland | AN81.1 Describe various methods of prenatal diagnosis AN81.2 Describe indications, process and disadvantages of amniocentesis AN81.3 Describe indications, process and disadvantages of chorion villus biopsy | | Revision-C Batch BI4.5 Interpret laboratory results of analytes associated with metabolism of lipids ---BI 4.7 -A – BATCH AN53.2 Demonstrate the anatomical position of bony pelvis & show boundaries of pelvic inlet, pelvic cavity, pelvic outlet B-Batch | | AN47.2 Name & identify various peritoneal folds & pouches with its explanation (Integration with General surgery) | | |
| Thursday | AN36.5 Describe the clinical significance of Killian's dehiscence | BI4.4 Describe the structure and functions of lipoproteins, their functions, interrelations & relations with atherosclerosis (IM-2.3) | PY8.2.4.2 Describe the synthesis, secretion, transport, physiological actions, regulation and effect of altered (hypo and hyper) secretion of adrenal gland | | Revision-B Batch BI5.5 Interpret laboratory results of analytes associated with metabolism of proteins -C- BATCH AN25.1 Identify, draw and label a slide of trachea and lung A-Batch | | AN47.1 Describe & identify boundaries and recesses of Lesser & Greater sac (Integration with General surgery) | Gross record assignment & viva Histology record assignment & viva | |
| Friday | Horizontal Integration Anatomy of Thyroid Gland Physiology Biochemistry THYROID FUNCTION TESTS | | | | Revision-A Batch BI5.5 Interpret laboratory results of analytes associated with metabolism of proteins -B- BATCH AN25.1 Identify, draw and label a slide of trachea and lung C-Batch | | Tutorial on PY5.1 to PY5.9 | | |
| Saturday | Written assessment 1 on PY5.1 to PY5.9 | | CM 3.2 Water purification process on a large scale – SGT | | Revision-C Batch BI5.5 Interpret laboratory results of analytes associated with metabolism of proteins -A- BATCH AN25.1 Identify, draw and label a slide of trachea and lung B-Batch | | AETCOM | SPORTS / EXTRA-CURRICULAR ACTIVITIES | PY8.-Assignment 1 on Calcitonin, Parathormone & Tetany |

| 23 Week | 8.00-9.00 AM | 9.00-10.00 AM | 10.00-11.00 AM | | 11.15 – 1.00 PM | | 2.00 -3.00 PM | 3.00-4.00 PM | Submissions |
|-----------|---|--|--|--------------|---|-------------------------|---|---|-------------|
| Monday | AN35.9 Describe the clinical features of compression of subclavian artery and lower trunk of brachial plexus by cervical rib | Early Clinical Exposure | | Break 15 min | OSPE on PY6.8 & PY6.10-B Batch BI6.8 Discuss and interpret results of Arterial Blood Gas (ABG) analysis in various disorders – <u>C BATCH</u> AN53.3 Define true pelvis and false pelvis and demonstrate sex determination in male & female bony pelvis A-Batch | Lunch 1.00 PM – 2.00 PM | AN47.5 Describe & demonstrate major viscera of abdomen under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects)- spleen (Integration with General surgery) | | |
| Tuesday | PY8.2.4.1 Describe the synthesis, secretion, transport, physiological actions, regulation and effect of altered (hypo and hyper) secretion of adrenal gland | AN37.2 Describe location and functional anatomy of paranasal sinuses AN37.3 Describe anatomical basis of sinusitis & maxillary sinus tumours | PY8.4 .2 Describe function tests: Adrenal cortex & Adrenal medulla | | OSPE on PY6.8 & PY6.10-A Batch BI6.8 Discuss and interpret results of Arterial Blood Gas (ABG) analysis in various disorders – <u>B BATCH</u> AN53.3 Define true pelvis and false pelvis and demonstrate sex determination in male & female bony pelvis C-Batch | | AN47.5 Describe & demonstrate major viscera of abdomen under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects)- stomach (Integration with General surgery) | PY8.-Assignment 2 on Hyperthyroidism, Hypothyroidism, Cretinism & Myxedema | |
| Wednesday | BI4.3 Explain the regulation of lipoprotein metabolism & associated disorders | PY8.2.5 Describe the synthesis, secretion, transport, physiological actions, regulation and effect of altered (hypo and hyper) secretion of pancreas | AN9.3 Describe development of breast | | OSPE on PY6.8 & PY6.10-C Batch BI6.8 Discuss and interpret results of Arterial Blood Gas (ABG) analysis in various disorders <u>A BATCH</u> AN53.3 Define true pelvis and false pelvis and demonstrate sex determination in male & female bony pelvis B-Batch | | AN47.9 Describe & identify the origin, course, important relations and branches of Abdominal aorta, Coeliac trunk, Superior mesenteric, Inferior mesenteric & Common iliac artery | | |
| Thursday | AN38.2 Describe the anatomical aspects of laryngitis AN38.3 Describe anatomical basis of recurrent laryngeal nerve injury | BI4.3 Explain the regulation of lipoprotein metabolism & associated disorders (IM-2.18) | PY8.5 Describe the metabolic and endocrine consequences of obesity & metabolic syndrome, Stress response. Outline the psychiatry component pertaining to metabolic syndrome. | | OSCE on PY6.9 with certifications-B Batch BI6.8 Discuss and interpret results of Arterial Blood Gas (ABG) analysis in various disorders – <u>C BATCH</u> AN43.2 Identify, describe and draw the microanatomy of tongue, salivary glands, epiglottis A-Batch | | AN47.5 Describe & demonstrate major viscera of abdomen under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects)- small intestine (Integration with General surgery) | PY8.-Assignment 3 on Cushing syndrome, Adrenogenital syndrome & Addison disease Gross record assignment & viva Histology record assignment & viva | |
| Friday | Horizontal Integration Anatomy of Adrenal gland Physiology Biochemistry ADRENAL FUNCTION TESTS | | | | OSCE on PY6.9 with certifications-A Batch BI6.8 Discuss and interpret results of Arterial Blood Gas (ABG) analysis in various disorders – <u>B BATCH</u> AN43.2 Identify, describe and draw the microanatomy of tongue, salivary glands, epiglottis C-Batch | | Tutorial on PY5.10 to PY5.11 | | |

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| Saturday | Tutorial on PY5.10 to PY5.11 | CM 3.2 Water purification process on a small scale -SGT | OSCE on PY6.9 with certifications-C Batch BI6.8 Discuss and interpret results of Arterial Blood Gas (ABG) analysis in various disorders <u>A BATCH</u> AN43.2 Identify, describe and draw the microanatomy of tongue, salivary glands, epiglottis B-Batch | AETCOM | SPORTS / EXTRA-CURRICULAR ACTIVITIES | PY8.-Assignment 4 on Glucagon , Insulin & Diabetes mellitus |
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| 24 Week | 8.00-9.00 AM | 9.00-10.00 AM | 10.00-11.00 AM | | 11.15 – 1.00 PM | | 2.00 -3.00 PM | 3.00-4.00 PM | Submissions |
|-----------|--|---|--|--------------|--|-------------------------|---|--|-------------|
| Monday | AN39.2 Explain the anatomical basis of hypoglossal nerve palsy | Early Clinical Exposure | | Break 15 min | PY7.9 Clinical Charts & Calculations -B Batch BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions: - diabetes mellitus – <u>C BATCH</u> AN53.4 Identify & hold the bone in the anatomical position, Describe the salient features of lumbar vertebrae A-Batch | Lunch 1.00 PM – 2.00 PM | AN47.5 Describe & demonstrate major viscera of abdomen under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects)- large intestine (Integration with General surgery) | | |
| Tuesday | PY8.2.6 Describe the synthesis, secretion, transport, physiological actions, regulation and effect of altered (hypo and hyper) secretion of hypothalamus | AN40.3 Describe the features of internal ear | PY8.3 Describe the physiology of Thymus & Pineal Gland | | PY7.9 Clinical -Charts & Calculations A Batch BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions: - diabetes mellitus – <u>B BATCH</u> AN53.4 Identify & hold the bone in the anatomical position, Describe the salient features of lumbar vertebrae C-Batch | | AN47.5 Describe & demonstrate major viscera of abdomen under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects)- large intestine (Integration with General surgery) | | |
| Wednesday | BI4.6 Describe the therapeutic uses of prostaglandins and inhibitors of eicosanoid synthesis | PY8.2.3 Describe the synthesis, secretion, transport, physiological actions, regulation and effect of altered (hypo and hyper) secretion of parathyroid gland | AN13.8 Describe development of upper limb | | PY7.9 Clinical Charts & Calculations -C Batch BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions: - diabetes mellitus – <u>A – BATCH</u> AN53.4 Identify & hold the bone in the anatomical position, Describe the salient features of lumbar vertebrae B-Batch | | AN47.5 Describe & demonstrate major viscera of abdomen under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects) - Liver & extrahepatic biliary apparatus (Integration with General surgery) | | |
| Thursday | AN40.4 Explain anatomical basis of otitis externa and otitis media AN40.5 Explain anatomical basis of myringotomy | BI 5.3 Describe the digestion and absorption of dietary proteins PY 4.2 | PY8.1 Describe the physiology of bone and calcium metabolism | | Revision-B Batch BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions: -- dyslipidemia <u>C-BATCH</u> AN52.1& AN52.3 Describe & identify the microanatomical features of Oesophagus, Fundus of stomach and Pylorus of stomach. Describe & identify the microanatomical features of Cardiooesophageal junction | | AN47.5 Describe & demonstrate major viscera of abdomen under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects) - Liver & extrahepatic biliary apparatus (Integration with General surgery) | Gross record assignment & viva Histology record assignment & viva | |

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| | | | | A-Batch | | | |
| Friday | (AN41.2 Describe the anatomical aspects of cataract, glaucoma & central retinal artery occlusion AN41.3 Describe the position, nerve supply and actions of intraocular muscles) | Horizontal Integration Physiology Biochemistry CALICUM & PHOSPHORUS | | Revision-A Batch BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions: -- dyslipidemia B-BATCH AN52.1& AN52.3 Describe & identify the microanatomical features of Oesophagus, Fundus of stomach and Pylorus of stomach. Describe & identify the microanatomical features of Cardiooesophageal junction C-Batch | Tutorial on PY5.10 to PY5.11 | | |
| Saturday | Written assessment 2 on PY5.10 to PY5.11 | CM 3.3 Water quality standards – SGT | | Revision-C Batch BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions: -- dyslipidemia A-BATCH AN52.1& AN52.3 Describe & identify the microanatomical features of Oesophagus, Fundus of stomach and Pylorus of stomach . Describe & identify the microanatomical features of Cardiooesophageal junction B-Batch | AETCOM | SPORTS / EXTRA-CURRICULAR ACTIVITIES | PY8.-Assignment 5 on Functions of pineal gland & thymus |

| 25 Week | 8.00-9.00 AM | 9.00-10.00 AM | 10.00-11.00 AM | | 11.15 – 1.00 PM | | 2.00 -3.00 PM | 3.00-4.00 PM | Submissions |
|-----------|--|--|--|--------------|---|-------------------------|--|--------------|-------------|
| Monday | AN42.3 Describe the position, direction of fibres, relations, nerve supply, actions of semispinalis capitis and splenius capitis | Early Clinical Exposure | | Break 15 min | PY8.7 Clinical Charts : Gigantism Acromegaly Pituitary dwarf Cretinism Myxedema Grave' disease Carpopedal spasm / Tetany Cushing's Syndrome -B Batch BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions: - - myocardial infarction –C BATCH AN53.4 Identify & hold the bone in the anatomical position, Describe the salient features of sacrum A-Batch | Lunch 1.00 PM – 2.00 PM | AN47.5 Describe & demonstrate major viscera of abdomen under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects)- suprarenal gland & kidneys (Integration with General surgery) | | |
| Tuesday | PY8.4.3 Describe function tests: Pancreas | AN25.2 Describe development of pleura | PY10.1 Describe and discuss the organization of nervous system | | PY8.7 Clinical Charts : Gigantism Acromegaly Pituitary dwarf Cretinism Myxedema Grave' disease Carpopedal spasm / Tetany Cushing's Syndrome -A Batch BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions: - - myocardial infarction –B BATCH AN53.4 Identify & hold the bone in the anatomical position, Describe the salient features of sacrum C-Batch | | AN47.5 Describe & demonstrate major viscera of abdomen under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects)- suprarenal gland & kidneys (Integration with General surgery) | | |
| Wednesday | BI 5.3 Describe the digestion and absorption of dietary proteins PY 4.9 | PY10.2.1 + PY10.10 Describe and discuss the functions and properties of synapse. Describe and discuss chemical transmission in the nervous system. (Outline the psychiatry element). | AN56.2 Describe circulation of CSF with its applied anatomy | | PY8.7 Clinical Charts : Gigantism Acromegaly Pituitary dwarf Cretinism Myxedema Grave' disease Carpopedal spasm / Tetany Cushing's Syndrome -C Batch BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions: - - myocardial infarction –A BATCH AN53.4 Identify & hold the bone in the anatomical | | AN47.8 Describe & identify the formation, course relations and tributaries of Portal vein, Inferior vena cava & Renal vein Duodenum & pancreas | | |

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| | | | | position, Describe the salient features of sacrum B-Batch | | | |
| Thursday | AN25.2 Describe development of lung | BI 5.4 Describe common disorders associated with protein metabolism | PY10.2.2 Describe and discuss the functions and properties of Receptors | Revision-B Batch BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions: - renal failure, nephrotic syndrome <u>C- BATCH</u> AN52.1 Describe & identify the microanatomical features of Duodenum, Jejunum and Ileum A-Batch | AN47.13 Describe & demonstrate the attachments, openings, nerve supply & action of the thoracoabdominal diaphragm | | Gross record assignment & viva Histology record assignment & viva |
| Friday | Horizontal Integration Anatomy of Pancreas Physiology Biochemistry PANCREAS ENDOCRINE | | | Revision-A Batch BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions: - renal failure, nephrotic syndrome <u>B – BATCH</u> AN52.1 Describe & identify the microanatomical features of Duodenum, Jejunum and Ileum C-Batch | Viva voce on PY5.1 to PY5.16 | | |
| Saturday | Tutorial on PY4.1 to PY4.9 | | CM 3.3 Concepts of water conservation and rain water harvesting. Aetiology and basis of waterborne diseases (Jaundice/hepatitis/Diarrhoeal diseases) | Revision-C Batch BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions: - renal failure, nephrotic syndrome <u>A - BATCH</u> AN52.1 Describe & identify the microanatomical features of Duodenum, Jejunum and Ileum B-Batch | AETCOM | SPORTS / EXTRA-CURRICULAR ACTIVITIES | PY8.-Assignment 6 on Thyroid function tests |

| 26 Week | 8.00-9.00 AM | 9.00-10.00 AM | 10.00-11.00 AM | | 11.15 – 1.00 PM | | 2.00 -3.00 PM | 3.00-4.00 PM | Submissions |
|-----------|--|--|---|--------------|--|-------------------------|--|--------------|--|
| Monday | AN57.2 Describe extent of spinal cord in child & adult with its clinical implication | Early Clinical Exposure | | | Revision-B Batch BI6.4 Discuss the laboratory results of analytes associated with gout & Lesch Nyhan syndrome BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions -- gout --- <u>C BATCH</u> AN53.4 Explain and demonstrate clinical importance of bones of abdominopelvic region (sacralization of lumbar vertebra, Lumbarization of 1st sacral vertebra, types of bony pelvis & Coccyx) A-Batch | | AN55.2 Demonstrate the surface projections of: Stomach, Liver, Fundus of gall bladder, Spleen, Duodenum, Pancreas, Ileocaecal junction, Kidneys & Root of mesentery (Integration with General surgery) | | |
| Tuesday | PY10.3.1 Describe and discuss somatic sensations & sensory tracts | AN25.2 Describe development of heart | PY10.3.2.1 Physiology of pain and temperature - part 1 | Break 15 min | Revision-A Batch BI6.4 Discuss the laboratory results of analytes associated with gout & Lesch Nyhan syndrome BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions -- gout --- <u>B BATCH</u> AN53.4 Explain and demonstrate clinical importance of bones of abdominopelvic region (sacralization of lumbar vertebra, Lumbarization of 1st sacral vertebra, types of bony pelvis & Coccyx) C-Batch | Lunch 1.00 PM – 2.00 PM | AN45.2 Describe & demonstrate Lumbar plexus for its root value, formation & branches AN15.4 Explain anatomical basis of Psoas abscess & Femoral hernia | | |
| Wednesday | BI 5.4 Describe common disorders associated with protein metabolism | PY10.3.2.2 Physiology of pain and temperature - part 2 | AN57.3 Draw & label transverse section of spinal cord at mid-cervical & midthoracic level | | Revision-C Batch BI6.4 Discuss the laboratory results of analytes associated with gout & Lesch Nyhan syndrome BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions -- gout --- <u>A BATCH</u> AN53.4 Explain and demonstrate clinical importance of bones of abdominopelvic region (sacralization of lumbar vertebra, Lumbarization of 1st sacral vertebra, types of bony pelvis & Coccyx) B-Batch | | Pelvic fascia & disposition of pelvic viscera peritoneal relations | | PY10-Assignment 1 on Properties of synaptic transmission |

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| Thursday | AN25.2 Describe development of heart | BI 5.4 Describe common disorders associated with protein metabolism | PY10.7.1 Describe and discuss functions of Cerebral cortex | Revision-B Batch BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions: - - proteinuria, edema <u>C BATCH</u> AN52.1 Describe & identify the microanatomical features of Large intestine and Appendix A-Batch | AN48.2 Describe & demonstrate the (position, features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and clinical aspects of) important male & female pelvic viscera – Urinary bladder | | Gross record assignment & viva Histology record assignment & viva |
| Friday | AITO-Thyroid Diseases AN35.8 Describe the anatomically relevant clinical features of Thyroid swellings | | | Revision-A Batch BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions: - - proteinuria, edema <u>B BATCH</u> AN52.1 Describe & identify the microanatomical features of Large intestine and Appendix C-Batch | Tutorial on PY4.1 to PY4.9 | | |
| Saturday | Tutorial on PY4.1 to PY4.9 | | CM 3 Environmental health problems-I - TUTORIAL | Revision-C Batch BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions: - - proteinuria, edema <u>A – BATCH</u> AN52.1 Describe & identify the microanatomical features of Large intestine and Appendix B-Batch | AETCOM | SPORTS / EXTRA-CURRICULAR ACTIVITIES | PY10-Assignment 2 on Pathways of somatosensory system |

| 27 Week | 8.00-9.00 AM | 9.00-10.00 AM | 10.00-11.00 AM | | 11.15 – 1.00 PM | | 2.00 -3.00 PM | 3.00-4.00 PM | Submissions |
|-----------|--|--|---|--------------|---|-------------------------|---|---------------------------------------|-------------|
| Monday | AN57.4 Enumerate ascending & descending tracts at mid thoracic level of spinal cord | PY10.3 Visit to General Surgery Ward- Referred Pain | | Break 15 min | PY10.11.1 Demonstrate the correct clinical examination of the Sensory System in a normal volunteer or simulated environment-B Batch BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions: - jaundice, - liver diseases, pancreatitis, disorders – <u>C -BATCH</u> Assessment – IV (Abdomen & Pelvis) A-Batch | Lunch 1.00 PM – 2.00 PM | AN48.2 Describe & demonstrate the (position, features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and clinical aspects of) important male & female pelvic viscera – prostate & urethra | | |
| Tuesday | PY10.4.1.1 Describe and discuss motor tracts - pyramidal tract | AN25.3 Describe fetal circulation and changes occurring at birth | PY10.4.1.2 Describe and discuss motor tracts - extrapyramidal tract | | PY10.11.1 Demonstrate the correct clinical examination of the Sensory System in a normal volunteer or simulated environment-A Batch BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions: - jaundice, - liver diseases, pancreatitis, disorders – <u>B -BATCH</u> Assessment – IV (Abdomen & Pelvis) C-Batch | | AN48.2 Describe & demonstrate the (position, features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and clinical aspects of) important male & female pelvic viscera – Female internal genitalia | | |
| Wednesday | BI 6.1 Discuss the metabolic processes that take place in specific organs in the body in the fed and fasting states. | PY10.2.3 Describe and discuss the functions and properties of Reflex | AN57.5 Describe anatomical basis of syringomyelia | | PY10.11.1 Demonstrate the correct clinical examination of the Sensory System in a normal volunteer or simulated environment-C Batch BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions: - jaundice, - liver diseases, pancreatitis, disorders – <u>A -BATCH</u> Assessment – IV (Abdomen & Pelvis) B-Batch | | AN48.2 Describe & demonstrate the (position, features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and clinical aspects of) important male & female pelvic viscera – Rectum and Anal canal | PY10-Assignment 3 on Internal capsule | |

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| Thursday | AN25.4 Describe embryological basis of: 1) atrial septal defect, 2) ventricular septal defect, 3) Fallot's tetralogy & 4) tracheo-oesophageal fistula AN25.5 Describe developmental basis of congenital anomalies, transposition of great vessels, dextrocardia, patent ductus arteriosus and coarctation of aorta | BI 6.3 Describe the common disorders associated with nucleotide metabolism BI 6.4 Discuss the laboratory results of analytes associated with gout & Lesch Nyhan syndrome | PY10.7.2.1 Describe and discuss functions of cerebellum | | PY10.11.2 Demonstrate the correct clinical examination of the Motor System in a normal volunteer or simulated environment-B Batch BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions--disorders of acid- base balance--C BATCH AN52.1 Describe & identify the microanatomical features of Liver and Gall bladder A-Batch | AN48.1 Describe & identify the muscles of Pelvic diaphragm Sagittal section of pelvis | | Gross record assignment & viva Histology record assignment & viva |
| Friday | (AN58.2 Describe transverse section of medulla oblongata at the level of 1)pyramidal decussation, 2) sensory decussation 3) ION) | SDL on PY7.1 to PY7.9 | Biochemistry SDL | | PY10.11.2 Demonstrate the correct clinical examination of the Motor System in a normal volunteer or simulated environment-A Batch BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions--disorders of acid- base balance- B BATCH AN52.1 Describe & identify the microanatomical features of Liver and Gall bladder C-Batch | Tutorial on PY7.1 to PY7.9 | | |
| Saturday | Written assessment 1 on PY4.1 to PY4.9 | | CM 3.4 Concept of solid waste and its disposal. Concept of human excreta and disposal | | PY10.11.2 Demonstrate the correct clinical examination of the Motor System in a normal volunteer or simulated environment-C Batch BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions--disorders of acid- base balance--- A BATCH AN52.1 Describe & identify the microanatomical features of Liver and Gall bladder B-Batch | AETCOM | SPORTS / EXTRA-CURRICULAR ACTIVITIES | PY10-Assignment 4 on pyramidal tracts |

| 28 Week | 8.00-9.00 AM | 9.00-10.00 AM | 10.00-11.00 AM | | 11.15 – 1.00 PM | | 2.00 -3.00 PM | 3.00-4.00 PM | Submissions |
|-----------|---|---|---|--------------|---|-------------------------|--|--|-------------|
| Monday | AN58.3 Enumerate cranial nerve nuclei in medulla oblongata with their functional group | Early Clinical Exposure | | Break 15 min | PY10.11.3 Demonstrate the correct clinical examination of the Reflexes in a normal volunteer or simulated environment-B Batch BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions-- thyroid disorders. --C BATCH AN26.1 Demonstrate anatomical position of skull, Identify and locate individual skull bones in skull A-Batch | Lunch 1.00 PM – 2.00 PM | AN48.3 Describe & demonstrate the origin, course, important relations and branches of internal iliac artery Sacral plexus | | |
| Tuesday | PY10.7.2.2 Describe and discuss functions of cerebellum and their abnormalities | AN25.6 Mention development of aortic arch arteries | PY10.7.3 Describe and discuss functions of basal ganglia and their abnormalities | | PY10.11.3 Demonstrate the correct clinical examination of the Reflexes in a normal volunteer or simulated environment-A Batch BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions-- thyroid disorders. --B BATCH AN26.1 Demonstrate anatomical position of skull, Identify and locate individual skull bones in skull C-Batch | | AN50.2 Describe & demonstrate the type, articular ends, ligaments and movements of Intervertebral joints, Sacroiliac joints & Pubic symphysis | | |
| Wednesday | BI 6.4 Discuss the laboratory results of analytes associated with gout & Lesch Nyhan syndrome | PY10.4.2 Describe and discuss mechanism of maintenance of tone and control of body movements | AN58.4 Describe anatomical basis & effects of medial & lateral medullary syndrome | | PY10.11.3 Demonstrate the correct clinical examination of the Reflexes in a normal volunteer or simulated environment-C Batch BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions-- thyroid disorders. --A BATCH AN26.1 Demonstrate anatomical position of skull, Identify and locate individual skull bones in skull B-Batch | | AN54.1 Describe & identify features of plain X ray abdomen AN54.2 Describe & identify the special radiographs of abdominopelvic region (contrast X ray Barium swallow, Barium meal, Barium enema, Cholecystography, Intravenous pyelography & Hysterosalpingography) (Integration with Radiodiagnosis) | PY10-Assignment 5 on UMN & LMN lesions | |
| Thursday | AN25.6 Mention development of SVC, IVC and coronary sinus | BI 6.9 Describe the functions of various minerals in the body, their metabolism and homeostasis & BI 6.10 Enumerate and describe the disorders associated with mineral metabolism | PY10.4.3 Describe and discuss vestibular apparatus and mechanism of posture and equilibrium | | Revision-B Batch BI11.5Describe screening of urine for inborn errors & describe the use of paper chromatography IDENTIFICATION OF UNKNOWN CARBOHYDRATE --C BATCH AN52.1 Describe & identify the microanatomical features of Pancreas & Suprarenal gland A-Batch | | AN54.3 Describe role of ERCP, CT abdomen, MRI, Arteriography in radiodiagnosis of abdomen (Integration with Radiodiagnosis) | Gross record assignment & viva Histology record assignment & viva | |

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| Friday | (AN59.2 Draw & label transverse section of pons at the upper and lower level) | SDL on PY7.1 to PY7.9 | Biochemistry SDL | Revision-A Batch BI11.5 Describe screening of urine for inborn errors & describe the use of paper chromatography IDENTIFICATION OF UNKNOWN CARBOHYDRATE -B BATCH AN52.1 Describe & identify the microanatomical features of Pancreas & Suprarenal gland C-Batch | Viva voce on PY4.1 to PY4.9 | | |
| Saturday | Tutorial on PY7.1 to PY7.9 | | CM 3.4 Concept of sewage and its disposal – SGT | Revision-C Batch BI11.5 Describe screening of urine for inborn errors & describe the use of paper chromatography IDENTIFICATION OF UNKNOWN CARBOHYDRATE -A BATCH AN52.1 Describe & identify the microanatomical features of Pancreas & Suprarenal gland B-Batch | AETCOM | SPORTS / EXTRA-CURRICULAR ACTIVITIES | PY10-Assignment 6 on reflex arc |

| 29 Week | 8.00-9.00 AM | 9.00-10.00 AM | 10.00-11.00 AM | | 11.15 – 1.00 PM | | 2.00 -3.00 PM | 3.00-4.00 PM | Submissions |
|-----------|---|--|--|--------------|---|-------------------------|---|--|-------------|
| Monday | AN59.3 Enumerate cranial nerve nuclei in pons with their functional group | Early Clinical Exposure | | Break 15 min | Revision-B Batch BI11.5 Describe screening of urine for inborn errors & describe the use of paper chromatography IDENTIFICATION OF UNKNOWN CARBOHYDRATE –C BATCH (SGD) AN26.2 Describe the features of norma frontalis A-Batch | Lunch 1.00 PM – 2.00 PM | AN51.1 Describe & identify the cross-section at the level of T8, T10 and L1 (transpyloric plane) AN51.2 Describe & identify the midsagittal section of male and female pelvis (Integration with Radiodiagnosis) | | |
| Tuesday | PY10.6 Describe and discuss Spinal cord, its functions, lesion & sensory disturbances | AN20.10 Describe basic concept of development of lower limb | PY10.7.4 Describe and discuss functions of Thalamus and their abnormalities | | Revision-A Batch BI11.5 Describe screening of urine for inborn errors & describe the use of paper chromatography IDENTIFICATION OF UNKNOWN CARBOHYDRATE –B BATCH(SGD) AN26.2 Describe the features of norma frontalis C-Batch | | PCT on Abdomen & pelvis | Record submission & regional assessment on Abdomen & Pelvis | |
| Wednesday | BI 6.9 Describe the functions of various minerals in the body, their metabolism and homeostasis & BI 6.10 Enumerate and describe the disorders associated with mineral metabolism --- (IRON ,PE-13.1 TO 13.4,PA 14.1) | PY10.7.5 Describe and discuss functions of Hypothalamus and their abnormalities | AN60.2 Describe connections of cerebellar cortex and intracerebellar nuclei | | Revision-C Batch BI11.5 Describe screening of urine for inborn errors & describe the use of paper chromatography IDENTIFICATION OF UNKNOWN CARBOHYDRATE –A BATCH (SGD) AN26.2 Describe the features of norma frontalis B-Batch | | AN27.1 Describe the layers of scalp, its blood supply, its nerve supply and surgical importance (Integration with General surgery) | PY10-Assignment 7 on signs of cerebellar disorders | |
| Thursday | AN52.4 Describe the development of anterior abdominal wall | BI 6.9 Describe the functions of various minerals in the body, their metabolism and homeostasis & BI 6.10 Enumerate and describe the disorders associated with mineral metabolism – (CALICUM & PHOSPHORUS ,PE-13.11-13.12) | PY10.7.6 Describe and discuss functions of Limbic System and their abnormalities | | PY10.11.6 Demonstrate the correct clinical examination of the Higher Function in a normal volunteer or simulated environment-B Batch BI11.5 Describe screening of urine for inborn errors & describe the use of paper chromatography IDENTIFICATION OF UNKNOWN PROTEIN & AMINO ACIDS –C BATCH AN52.2 Describe & identify the microanatomical features of: Urinary system: Kidney, Ureter & Urinary bladder A-Batch | | AN28.1 Describe & demonstrate muscles of facial expression and their nerve supply AN28.2 Describe sensory innervation of face | Gross record assignment & viva Histology record assignment & viva | |

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|----------|--|-----------------------|--|--|----------------------------|--------------------------------------|---|
| Friday | Anatomy (AN60.3 Describe anatomical basis of cerebellar dysfunction) | AITO- Diabetes | | PY10.11.6 Demonstrate the correct clinical examination of the Higher Function in a normal volunteer or simulated environment-A Batch BI11.5 Describe screening of urine for inborn errors & describe the use of paper chromatography IDENTIFICATION OF UNKNOWN PROTEIN & AMINO ACIDS -B BATCH AN52.2 Describe & identify the microanatomical features of: Urinary system: Kidney, Ureter & Urinary bladder C-Batch | Tutorial on PY7.1 to PY7.9 | | |
| Saturday | Written assessment 1 on PY7.1 to PY7.9 | | CM 3.5 Standards of housing and its effects on health. | PY10.11.6 Demonstrate the correct clinical examination of the Higher Function in a normal volunteer or simulated environment-C Batch BI11.5 Describe screening of urine for inborn errors & describe the use of paper chromatography IDENTIFICATION OF UNKNOWN PROTEIN & AMINO ACIDS -A BATCH AN52.2 Describe & identify the microanatomical features of: Urinary system: Kidney, Ureter & Urinary bladder B-Batch | AETCOM | SPORTS / EXTRA-CURRICULAR ACTIVITIES | PY10-Assignment 8 on Brown Sequard Syndrome |

| 30 Week | 8.00-9.00 AM | 9.00-10.00 AM | 10.00-11.00 AM | | 11.15 – 1.00 PM | | 2.00 -3.00 PM | 3.00-4.00 PM | Submissions |
|-----------|---|--|--|--------------|--|-------------------------|--|--|-------------|
| Monday | AN61.2 Describe internal features of midbrain at the level of superior & inferior colliculus | PY10.3 Visit to General Medicine Ward- UMN & LMN lesions | | Break 15 min | PY10.12 Identify normal EEG forms -B Batch BI11.5 Describe screening of urine for inborn errors & describe the use of paper chromatography IDENTIFICATION OF UNKNOWN PROTEIN & AMINO ACIDS -C BATCH AN26.2 Describe the features of norma verticalis & occipitalis A-Batch | Lunch 1.00 PM – 2.00 PM | AN28.6 Identify superficial muscles of face, their nerve supply and actions | | |
| Tuesday | PY10.9.1 Describe and discuss the physiological basis of Memory and Learning - part 1 | AN52.5 Describe the development and congenital anomalies of Diaphragm | PY10.9.2 Describe and discuss the physiological basis of Memory and Learning - part 2 | | PY10.12 Identify normal EEG forms -A Batch BI11.5 Describe screening of urine for inborn errors & describe the use of paper chromatography IDENTIFICATION OF UNKNOWN PROTEIN & AMINO ACIDS -B BATCH AN26.2 Describe the features of norma verticalis & occipitalis C-Batch | | AN28.9 Describe & demonstrate the parts, borders, surfaces, contents, relations and nerve supply of parotid gland with course of its duct and surgical importance AN28.4 Describe & demonstrate branches of facial nerve with distribution (Integration with General surgery) | | |
| Wednesday | BI 6.9 Describe the functions of various minerals in the body, their metabolism and homeostasis & BI 6.10 Enumerate and describe the disorders associated with mineral metabolism – (MAGNESIUM & ZINC (PE -13.13 ,13.14 & 9.1, DR-17.4) | PY10.9.3 Describe and discuss the physiological basis of speech | AN61.3 Describe anatomical basis & effects of Benedikt's and Weber's syndrome | | PY10.12 Identify normal EEG forms -C Batch BI11.5 Describe screening of urine for inborn errors & describe the use of paper chromatography IDENTIFICATION OF UNKNOWN PROTEIN & AMINO ACIDS -A BATCH AN26.2 Describe the features of norma verticalis & occipitalis B-Batch | | AN28.3 Describe & demonstrate origin /formation, course, branches /tributaries of facial vessels AN28.5 Describe cervical lymph nodes and lymphatic drainage of head, face and neck | PY10-Assignment 9 on functions of thalamus and thalamic syndrome | |
| Thursday | AN52.6 Describe the development and congenital anomalies of Foregut | BI 6.9 Describe the functions of various minerals in the body, their metabolism and homeostasis & BI 6.10 Enumerate and describe the disorders associated with mineral metabolism – IODINE (PE- 13.7 TO 13.10) ,FLOURINE | PPY10.5.1 Describe and discuss structure and functions of autonomic nervous system (ANS) | | PY10.20.3 Demonstrate the correct clinical examination of the hearing-B Batch BI11.5 Describe screening of urine for inborn errors & describe the use of paper chromatography IDENTIFICATION OF UNKNOWN PROTEIN & AMINO ACIDS -C BATCH AN52.2 Describe & identify the microanatomical features | | AN33.1 Describe & demonstrate extent, boundaries and contents of temporal and infratemporal fossae | Gross record assignment & viva Histology record assignment & viva | |

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| | | | | of: Male Reproductive System: Testis, Epididymis A-Batch | | | |
| Friday | (AN62.1 Enumerate cranial nerve nuclei with its functional component) | SDL on PY8.1 to PY8.3 &PY8.6 | Biochemistry SDL | PY10.20.3 Demonstrate the correct clinical examination of the hearing-A Batch BI11.5Describe screening of urine for inborn errors & describe the use of paper chromatography IDENTIFICATION OF UNKNOWN PROTEIN & AMINO ACIDS -B BATCH AN52.2 Describe & identify the microanatomical features of: Male Reproductive System: Testis, Epididymis C-Batch | Viva voce on PY7.1 to PY7.9 | | |
| Saturday | Tutorial on PY8.1 to PY8.3 &PY8.6 | | CM 3.7 Identifying features, lifecycle of vectors of public health importance and their control measures-1 – SDL | PY10.20.3 Demonstrate the correct clinical examination of the hearing-C Batch BI11.5Describe screening of urine for inborn errors & describe the use of paper chromatography IDENTIFICATION OF UNKNOWN PROTEIN & AMINO ACIDS -A BATCH AN52.2 Describe & identify the microanatomical features of: Male Reproductive System: Testis, Epididymis B-Batch | AETCOM | SPORTS / EXTRA-CURRICULAR ACTIVITIES | PY10-Assignment 10 on types of memory |

| 31 Week | 8.00-9.00 AM | 9.00-10.00 AM | 10.00-11.00 AM | | 11.15 – 1.00 PM | | 2.00 -3.00 PM | 3.00-4.00 PM | Submissions |
|-----------|--|--|--|--------------|---|-------------------------|--|--|-------------|
| Monday | AN62.3 Describe the white matter of cerebrum | Early Clinical Exposure | | Break 15 min | PY10.20.1 Demonstrate the correct clinical examination of the Testing of visual acuity, colour-B Batch BI11.4 Perform urine analysis to estimate and determine normal and abnormal constituents ---PE -33.6 --- ALL TYPES OF DIPSTICKS <u>C BATCH</u> AN26.2 Describe the features of norma lateralis A-Batch | Lunch 1.00 PM – 2.00 PM | AN33.1 Describe & demonstrate extent, boundaries and contents of temporal and infratemporal fossae | | |
| Tuesday | PY10.5.2 Describe and discuss structure and functions of Reticular Activating System | AN52.6 Describe the development and congenital anomalies of Foregut | PY10.8 Describe and discuss behavioural and EEG characteristics during sleep and mechanism responsible for its production | | PY10.20.1 Demonstrate the correct clinical examination of the Testing of visual acuity, colour-A Batch BI11.4 Perform urine analysis to estimate and determine normal and abnormal constituents ---PE -33.6 --- ALL TYPES OF DIPSTICKS <u>B BATCH</u> AN26.2 Describe the features of norma lateralis C-Batch | | AN33.2 Describe & demonstrate attachments, direction of fibres, nerve supply and actions of muscles of mastication | | |
| Wednesday | BI 6.9 Describe the functions of various minerals in the body, their metabolism and homeostasis & BI 6.10 Enumerate and describe the disorders associated with mineral metabolism – SELENIUM & OTHERS | PY10.13.1+ PY10.14.1 Describe and discuss perception of Smell . Describe and discuss patho-physiology of altered smell | AN62.4 Enumerate parts & major connections of basal ganglia | | PY10.20.1 Demonstrate the correct clinical examination of the Testing of visual acuity, colour-C Batch BI11.4 Perform urine analysis to estimate and determine normal and abnormal constituents ---PE -33.6 --- ALL TYPES OF DIPSTICKS <u>A BATCH</u> AN26.2 Describe the features of norma lateralis B-Batch | | AN33.3 Describe & demonstrate articulating surface, type & movements of temporomandibular joint | PY10-Assignment 11 on types of aphasia , | |
| Thursday | AN52.6 Describe the development and congenital anomalies of Midgut | BI 7.1 Describe the structure and functions of DNA and RNA and outline the cell cycle. -----DNA | PY10.13.2 + PY10.14.2 Describe and discuss perception of taste sensation. Describe and discuss patho-physiology of taste sensation | | PY10.20.2 Demonstrate the correct clinical examination of the field of vision-B Batch PE 29.16 Discuss the Indications for Hemoglobin electrophoresis and interpret report (SGD & D) -- - <u>C BATCH</u> AN52.2 Describe & identify the microanatomical features of: Vas deferens, Prostate & penis A-Batch | | AN42.2 Describe & demonstrate the boundaries and contents of Suboccipital triangle | Gross record assignment & viva Histology record assignment & viva | |

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| Friday | (AN62.4 Enumerate parts & major connections of limbic lobe) | SDL on PY8.1 to PY8.3 &PY8.6 | Biochemistry SDL | <p>PY10.20.2 Demonstrate the correct clinical examination of the field of vision-A Batch</p> <p>PE 29.16 Discuss the Indications for Hemoglobin electrophoresis and interpret report (SGD & D) -- - <u>B BATCH</u></p> <p>AN52.2 Describe & identify the microanatomical features of: Vas deferens, Prostate & penis C-Batch</p> | Tutorial on PY8.1 to PY8.3 &PY8.6 | | |
| Saturday | Written assessment 1 on PY8.1 to PY8.3 &PY8.6 | | CM 3.7 Identifying features, lifecycle of vectors of public health importance and their control measures-2 - SDL | <p>PY10.20.2 Demonstrate the correct clinical examination of the field of vision-C Batch</p> <p>PE 29.16 Discuss the Indications for Hemoglobin electrophoresis and interpret report (SGD & D)--- <u>A BATCH</u></p> <p>AN52.2 Describe & identify the microanatomical features of: Vas deferens, Prostate & penis B-Batch</p> | AETCOM | SPORTS / EXTRA-CURRICULAR ACTIVITIES | PY10-Assignment 12 on stages of sleep |

| 32 Week | 8.00-9.00 AM | 9.00-10.00 AM | 10.00-11.00 AM | | 11.15 – 1.00 PM | | 2.00 -3.00 PM | 3.00-4.00 PM | Submissions |
|-----------|--|--|--|--------------|--|-------------------------|--|--------------|--|
| Monday | AN62.5 Describe boundaries, parts, gross relations, major nuclei and connections of dorsal thalamus, hypothalamus, epithalamus, metathalamus and subthalamus | Early Clinical Exposure | | | PY10.11.4+PY10.20.4 Demonstrate the correct clinical examination of the Cranial Nerves in a normal volunteer or simulated environment including smell-B Batch BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions & BI 11.21 ESTIMATION OF GLUCOSE & DIABETES MELLITUS (SGD) --- C BATCH AN26.2 Describe the features of norma basalis A-Batch | | Removal of skull cap, brain & spinal cord. AN42.1 Describe the contents of the vertebral canal | | |
| Tuesday | PY10.5.2 Describe and discuss structure and functions of Reticular Activating System | AN52.6 Describe the development and congenital anomalies of Midgut | PY10.8 Describe and discuss behavioural and EEG characteristics during sleep and mechanism responsible for its production | Break 15 min | PY10.11.4+PY10.20.4 Demonstrate the correct clinical examination of the Cranial Nerves in a normal volunteer or simulated environment including smell-A Batch BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions & BI 11.21 ESTIMATION OF GLUCOSE & DIABETES MELLITUS (SGD) --- B BATCH AN26.2 Describe the features of norma basalis C-Batch | Lunch 1.00 PM – 2.00 PM | Removal of skull cap, brain & spinal cord. AN42.1 Describe the contents of the vertebral canal | | |
| Wednesday | BI 7.1 Describe the structure and functions of DNA and RNA and outline the cell cycle. ----- RNA & CELL CYCLE | PY10.13.1+ PY10.14.1 Describe and discuss perception of Smell . Describe and discuss patho-physiology of altered smell | AN62.5 Describe boundaries, parts, gross relations, major nuclei and connections of dorsal thalamus, hypothalamus, epithalamus, metathalamus and subthalamus | | PY10.11.4+PY10.20.4 Demonstrate the correct clinical examination of the Cranial Nerves in a normal volunteer or simulated environment including smell-C Batch BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions & BI 11.21 ESTIMATION OF GLUCOSE & DIABETES MELLITUS (SGD) --- A BATCH AN26.2 Describe the features of norma basalis B-Batch | | AN30.1 Describe the cranial fossae & identify related structures AN30.2 Describe & identify major foramina with structures passing through them (Integration with General surgery) | | PY10-Assignment 11 on types of aphasia , |

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| Thursday | AN52.6 Describe the development and congenital anomalies of Hindgut | BI 7.2 Describe the processes involved in replication & repair of DNA and the transcription & translation mechanisms. -----REPLICATION & DNA REPAIR | PY10.13.2 + PY10.14.2 Describe and discuss perception of taste sensation. Describe and discuss pathophysiology of taste sensation | PY10.11.5 +PY10.20.5 Demonstrate the correct clinical examination of the Cranial Nerves in a normal volunteer or simulated environment including taste -B Batch BI11.7 Demonstrate the estimation of serum creatinine and creatinine clearance – (SGD)— <u>C -BATCH</u> AN52.2& AN52.3 Describe & identify the microanatomical features of: Female reproductive system: Ovary, Uterus. Describe & identify the microanatomical features of Corpus luteum A-Batch | AN30.3 Describe & identify dural folds & dural venous sinuses | Gross record assignment & viva Histology record assignment & viva | |
| Friday | (AN62.5 Describe boundaries, parts, gross relations, major nuclei and connections of dorsal thalamus, hypothalamus, epithalamus, metathalamus and subthalamus) | SDL on PY8.4 & PY8.5 | Biochemistry SDL | PY10.11.5 +PY10.20.5 Demonstrate the correct clinical examination of the Cranial Nerves in a normal volunteer or simulated environment including taste -A Batch BI11.7 Demonstrate the estimation of serum creatinine and creatinine clearance – (SGD)— <u>B -BATCH</u> AN52.2& AN52.3 Describe & identify the microanatomical features of: Female reproductive system: Ovary, Uterus. Describe & identify the microanatomical features of Corpus luteum C-Batch | Tutorial on PY8.4 & PY8.5 | | |
| Saturday | Tutorial on PY8.4 & PY8.5 | | CM 3.8 Mode of action and application of commonly used insecticides and rodenticides | PY10.11.5 +PY10.20.5 Demonstrate the correct clinical examination of the Cranial Nerves in a normal volunteer or simulated environment including taste -C Batch BI11.7 Demonstrate the estimation of serum creatinine and creatinine clearance – (SGD)— <u>A -BATCH</u> AN52.2& AN52.3 Describe & identify the microanatomical features of: Female reproductive system: Ovary, Uterus. Describe & identify the microanatomical features of Corpus luteum B-Batch | AETCOM | SPORTS / EXTRA-CURRICULAR ACTIVITIES | PY10-Assignment 12 on stages of sleep |

| 33 Week | 8.00-9.00 AM | 9.00-10.00 AM | 10.00-11.00 AM | | 11.15 – 1.00 PM | | 2.00 -3.00 PM | 3.00-4.00 PM | Submissions |
|-----------|---|---|---|--------------|---|-------------------------|---|--------------------------------------|--|
| Monday | AN73.1 Describe the structure of chromosomes with classification AN73.2 Describe technique of karyotyping with its applications AN73.3 Describe the Lyon's hypothesis | Early Clinical Exposure | | Break 15 min | Revision-B Batch BI11.21 Demonstrate estimation of glucose, creatinine, urea and total protein in serum (SGD) ----C BATCH AN26.2 Describe the features of norma basalis A-Batch | Lunch 1.00 PM – 2.00 PM | AN31.1 Describe & identify extra ocular muscles of eyeball | | |
| Tuesday | PY10.15.1 Describe and discuss Functional anatomy of ear | AN52.7 Describe the development of Urinary system | PY10.15.2 Describe and discuss Auditory pathways and Physiology of hearing | | Revision-A Batch BI11.21 Demonstrate estimation of glucose, creatinine, urea and total protein in serum (SGD) ----B BATCH AN26.2 Describe the features of norma basalis C-Batch | | AN31.2 Describe & demonstrate nerves and vessels in the orbit | | |
| Wednesday | BI 7.2 Describe the processes involved in replication & repair of DNA and the transcription & translation mechanisms ----- TRANSCRIPTION | PY10.16 Describe and discuss pathophysiology of deafness. Describe hearing tests | AN74.1 Describe the various modes of inheritance with examples | | Revision-C Batch BI11.21 Demonstrate estimation of glucose, creatinine, urea and total protein in serum (SGD) ----A BATCH AN26.2 Describe the features of norma basalis B-Batch | | AN41.1 Describe & demonstrate parts and layers of eyeball (Integration with ophthalmology) | | PY10-Assignment 13 on functions of middle ear |
| Thursday | AN52.7 Describe the development of Urinary system | BI 7.2 Describe the processes involved in replication & repair of DNA and the transcription & translation mechanisms --- --- TRANSLATION | PY10.17.1 Describe and discuss 1. Functional anatomy of eye 2. Physiology of image formation 3. Refractive errors | | Revision-B Batch BI11.21 Demonstrate estimation of glucose, creatinine, urea and total protein in serum BI11.8 Demonstrate estimation of serum proteins, albumin and A:G ratio (SGD)----C BATCH AN52.2 Describe & identify the microanatomical features of: Uterine tube, Cervix A-Batch | | AN32.1 Describe boundaries and subdivisions of anterior triangle | | Gross record assignment & viva Histology record assignment & viva |
| Friday | (AN74.2 Draw pedigree charts for the various types of inheritance & give examples of diseases of each mode of inheritance) | SDL on PY8.4 & PY8.5 | Biochemistry SDL | | Revision-A Batch BI11.21 Demonstrate estimation of glucose, creatinine, urea and total protein in serum BI11.8 Demonstrate estimation of serum proteins, albumin and A:G ratio (SGD)----B BATCH AN52.2 Describe & identify the microanatomical features of: Uterine tube, Cervix C-Batch | | Tutorial on PY8.4 & PY8.5 | | |
| Saturday | Written assessment 2 on PY8.4 & PY8.5 | | CM 3 Environmental health problems-II - TUTORIAL | | Revision-C Batch BI11.21 Demonstrate estimation of glucose, creatinine, urea and total protein in serum BI11.8 Demonstrate estimation of serum proteins, albumin and A:G ratio (SGD)----A BATCH AN52.2 Describe & identify the microanatomical features of: Uterine tube, Cervix B-Batch | | AETCOM | SPORTS / EXTRA-CURRICULAR ACTIVITIES | PY10-Assignment 14 on tests of hearing |

| 34 Week | 8.00-9.00 AM | 9.00-10.00 AM | 10.00-11.00 AM | | 11.15 – 1.00 PM | | 2.00 -3.00 PM | 3.00-4.00 PM | Submissions |
|-----------|--|--|--|--------------|---|-------------------------|---|--|-------------|
| Monday | AN74.3 Describe multifactorial inheritance with examples | PY10.16 ENT OP/Ward | | Break 15 min | OSCE on PY10.11.1 with certification-B Batch BI7.4 Describe applications of molecular technologies like recombinant DNA technology, PCR in the diagnosis and treatment of diseases with genetic basis (SGD)---C BATCH AN26.3 Describe cranial cavity, its subdivisions, foramina and structures passing through them (Part-I) A-Batch | Lunch 1.00 PM – 2.00 PM | AN32.2 Describe & demonstrate boundaries and contents of muscular, carotid, digastric and submental triangles | | |
| Tuesday | PY10.17.2 Physiology of vision | AN52.8 Describe the development of male reproductive system | PY10.17.3 Colour vision and colour blindness | | OSCE on PY10.11.1 with certification-A Batch BI7.4 Describe applications of molecular technologies like recombinant DNA technology, PCR in the diagnosis and treatment of diseases with genetic basis (SGD)---B BATCH AN26.3 Describe cranial cavity, its subdivisions, foramina and structures passing through them (Part-I) C-Batch | | AN34.1 Describe & demonstrate the morphology, relations and nerve supply of submandibular salivary gland & submandibular ganglion | | |
| Wednesday | BI 7.3 Describe gene mutations and basic mechanism of regulation of gene expression. ----- GENE MUTATIONS & DISEASES (IM-13.1) | PY10.18 Describe and discuss the physiological basis of lesion in visual pathway | AN74.4 Describe the genetic basis & clinical features of Achondroplasia, Cystic Fibrosis, Vitamin D resistant rickets, Haemophilia, Duchene's muscular dystrophy & Sickle cell anaemia | | OSCE on PY10.11.1 with certification-C Batch BI7.4 Describe applications of molecular technologies like recombinant DNA technology, PCR in the diagnosis and treatment of diseases with genetic basis (SGD)---A BATCH AN26.3 Describe cranial cavity, its subdivisions, foramina and structures passing through them (Part-I) B-Batch | | AN35.2 Describe & demonstrate location, parts, borders, surfaces, relations & blood supply of thyroid gland AN35.5 Describe and demonstrate extent, drainage & applied anatomy of cervical lymph nodes (Integration with General surgery) | PY10-Assignment 15 on theories of colour vision | |
| Thursday | AN52.8 Describe the development of male reproductive system | BI 7.3 Describe gene mutations and basic mechanism of regulation of gene expression----REGULATION OF GENE EXPRESSION | PY10.17.4 Physiology of pupil and light reflex | | OSCE on PY10.11.2 with certification-B Batch BI7.2 Describe the processes involved in replication & repair of DNA and the transcription & translation mechanisms (SGD)---C BATCH AN52.2 Describe & identify the microanatomical features | | AN35.3 Demonstrate & describe the origin, parts, course & branches subclavian artery AN35.4 Describe & demonstrate origin, course, relations, tributaries and termination of internal jugular & brachiocephalic veins AN35.6 Describe and demonstrate the extent, formation, relation & branches of cervical sympathetic chain AN24.4 Identify phrenic nerve & describe its formation & distribution | Gross record assignment & viva Histology record assignment & viva | |

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| | | | | of Placenta & Umbilical cord A-Batch | | | | |
| Friday | Anatomy (AN75.1 Describe the structural and numerical chromosomal aberrations) | SDL on PY10.2.1 + PY10.10, PY10.2.2, PY10.3, PY10.7.1 | Biochemistry SDL | OSCE on PY10.11.2 with certification-A Batch BI7.2 Describe the processes involved in replication & repair of DNA and the transcription & translation mechanisms (SGD)--- <u>B BATCH</u> AN52.2 Describe & identify the microanatomical features of Placenta & Umbilical cord C-Batch | Viva voce on PY8.1 to PY8.6 | | | |
| Saturday | Tutorial on PY10.2.1 + PY10.10, PY10.2.2, PY10.3, PY10.7.1 | | CM 6.1 Formulate a research question for a study | OSCE on PY10.11.2 with certification-C Batch BI7.2 Describe the processes involved in replication & repair of DNA and the transcription & translation mechanisms (SGD)--- <u>A BATCH</u> AN52.2 Describe & identify the microanatomical features of Placenta & Umbilical cord B-Batch | AETCOM | SPORTS / EXTRA-CURRICULAR ACTIVITIES | PY10-Assignment 16 on visual pathway with its lesions | |

| 35 Week | 8.00-9.00 AM | 9.00-10.00 AM | 10.00-11.00 AM | | 11.15 – 1.00 PM | | 2.00 -3.00 PM | 3.00-4.00 PM | Submissions |
|-----------|--|--|--|--------------|---|-------------------------|--|--|-------------|
| Monday | AN75.1 Describe the structural and numerical chromosomal aberrations | PY10.16 ENT OP/Ward | | Break 15 min | OSCE on PY10.11.3 with certification-B Batch BI5.5 Interpret laboratory results of analytes associated with metabolism of proteins –(SGD) -- <u>C – BATCH</u> AN26.3 Describe cranial cavity, its subdivisions, foramina and structures passing through them (Part-II) A-Batch | Lunch 1.00 PM – 2.00 PM | AN37.1 Describe & demonstrate features of nasal septum, lateral wall of nose, their blood supply and nerve supply (Integration with ENT) | | |
| Tuesday | PY10.19 Describe and discuss auditory & visual evoke potentials | AN52.8 Describe the development of female reproductive system | PY11.1 Describe and discuss mechanism of temperature regulation | | OSCE on PY10.11.3 with certification-A Batch BI5.5 Interpret laboratory results of analytes associated with metabolism of proteins –(SGD) -- <u>B – BATCH</u> AN26.3 Describe cranial cavity, its subdivisions, foramina and structures passing through them (Part-II) C-Batch | | Mouth cavity & pharynx | | |
| Wednesday | BI 7.4 Describe applications of molecular technologies like recombinant DNA technology, PCR in the diagnosis and treatment of diseases with genetic basis. ---- R-DNA TECHNOLOGY | PY11.2 Describe and discuss adaptation to altered temperature (heat and cold) | AN75.2 Explain the terms mosaics and chimeras with example | | OSCE on PY10.11.3 with certification-C Batch BI5.5 Interpret laboratory results of analytes associated with metabolism of proteins –(SGD) -- <u>A – BATCH</u> AN26.3 Describe cranial cavity, its subdivisions, foramina and structures passing through them (Part-II) B-Batch | | AN39.1 Describe & demonstrate the morphology, nerve supply, embryological basis of nerve supply, blood supply, lymphatic drainage and actions of extrinsic and intrinsic muscles of tongue | PY10-Assignment 17 on pupillary reflex and its abnormalities | |
| Thursday | AN52.8 Describe the development of female reproductive system | BI 7.4 Describe applications of molecular technologies like recombinant DNA technology, PCR in the diagnosis and treatment of diseases with genetic basis ----- PCR & OTHER APPLICATIONS | PY11.3 Describe and discuss mechanism of fever, cold injuries and heat, stroke | | OSCE on PY10.11.4 + PY10.20.4 with certification-B Batch PE19.5 Discuss immunization in special situations – HIV positive children, immunodeficiency, preterm, organ transplants, those who received blood and blood products, splenectomised children, Adolescents, travelers --(SGD) -- <u>C – BATCH</u> AN43.2 & AN43.3 Identify, describe and draw the microanatomy of pituitary | | AN38.1 Describe the morphology, identify structure of the wall, nerve supply, blood supply and actions of intrinsic and extrinsic muscles of the larynx (Integration with ENT) | Gross record assignment & viva Histology record assignment & viva | |

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| | | | | gland . Identify, describe and draw microanatomy of pineal gland A-Batch | | | | |
| Friday | (AN75.3 Describe the genetic basis & clinical features of Prader Willi syndrome, Edward syndrome & Patau syndrome) | SDL on PY10.2.1 + PY10.10, PY10.2.2, PY10.3, PY10.7.1 | Biochemistry SDL | OSCE on PY10.11.4 + PY10.20.4 with certification-A Batch PE19.5 Discuss immunization in special situations – HIV positive children, immunodeficiency, preterm, organ transplants, those who received blood and blood products, splenectomised children, Adolescents, travelers –(SGD) --B – BATCH AN43.2 & AN43.3 Identify, describe and draw the microanatomy of pituitary gland . Identify, describe and draw microanatomy of pineal gland C-Batch | Tutorial on PY10.2.1 + PY10.10, PY10.2.2, PY10.3, PY10.7.1 | | | |
| Saturday | Tutorial on PY10.2.1 + PY10.10, PY10.2.2, PY10.3, PY10.7.1 | | CM 6.2 Principles and methods of collection, classification , analysis, interpretation and presentation of statistical data- DOAP | OSCE on PY10.11.4 + PY10.20.4 with certification-C Batch PE19.5 Discuss immunization in special situations – HIV positive children, immunodeficiency, preterm, organ transplants, those who received blood and blood products, splenectomised children, Adolescents, travelers –(SGD) -A – BATCH AN43.2 & AN43.3 Identify, describe and draw the microanatomy of pituitary gland . Identify, describe and draw microanatomy of pineal gland B-Batch | AETCOM | SPORTS / EXTRA-CURRICULAR ACTIVITIES | | |

| 36 Week | 8.00-9.00 AM | 9.00-10.00 AM | 10.00-11.00 AM | | 11.15 – 1.00 PM | | 2.00 -3.00 PM | 3.00-4.00 PM | Submissions |
|-----------|--|--|--|--------------|--|-------------------------|---|--|-------------|
| Monday | AN75.4 Describe genetic basis of variation: polymorphism and mutation | PY10.17 Ophthalmology OP/Ward | | Break 15 min | OSCE on PY10.11.5 + PY10.20.5 with certification-B Batch SU1.1 Describe basic concepts of homeostasis, enumerate the metabolic changes in injury and their mediators SU1.2 Describe the factors that affect the metabolic response to injury -(SGD) --C – BATCH AN26.4 Describe morphological features of mandible A-Batch | Lunch 1.00 PM – 2.00 PM | AN40.1 Describe & identify the parts, blood supply and nerve supply of external ear (Integration with ENT) | | |
| Tuesday | PY11.4 Describe and discuss 1. Cardio-respiratory and metabolic adjustments during exercise 2. Physical training effects | AN43.4 Describe the development and developmental basis of congenital anomalies of face & palate | PY11.8 Discuss & compare cardio-respiratory changes in exercise (isometric and isotonic) with that in the resting state and under different environmental conditions (heat and cold) | | OSCE on PY10.11.5 + PY10.20.5 with certification-A Batch SU1.1 Describe basic concepts of homeostasis, enumerate the metabolic changes in injury and their mediators SU1.2 Describe the factors that affect the metabolic response to injury -(SGD) --B – BATCH AN26.4 Describe morphological features of mandible C-Batch | | AN40.2 Describe & demonstrate the boundaries, contents, relations and functional anatomy of middle ear and auditory tube (Integration with ENT) | | |
| Wednesday | BI 7.5 Describe the role of xenobiotics in disease | PY11.5 Describe and discuss physiological consequences of sedentary lifestyle | AN75.5 Describe the principles of genetic counselling | | OSCE on PY10.11.5 + PY10.20.5 with certification-C Batch SU1.1 Describe basic concepts of homeostasis, enumerate the metabolic changes in injury and their mediators SU1.2 Describe the factors that affect the metabolic response to injury -(SGD) --A – BATCH AN26.4 Describe morphological features of mandible B-Batch | | AN43.5 Demonstrate- 1) Testing of muscles of facial expression, extraocular muscles, muscles of mastication, 2) Palpation of carotid arteries, facial artery, superficial temporal artery, 3) Location of internal and external jugular veins, 4) Location of hyoid bone, thyroid cartilage and cricoids cartilage with their vertebral levels (Integration with General surgery) | PY11-Assignment 1 on exercise metabolism | |
| Thursday | AN43.4 Describe the development and developmental basis of congenital anomalies branchial apparatus | BI 7.6 Describe the anti-oxidant defence systems in the body, BI 7.7 Describe the role of oxidative stress in the pathogenesis of | PY11.12 Discuss the physiological effects of meditation | | OSCE on PY10.11.6 with certification-B Batch SU9.1 Choose appropriate biochemical, microbiological, pathological, imaging investigations and interpret | | AN43.6 Demonstrate surface projection of- Thyroid gland, Parotid gland and duct, Pterion, Common carotid artery, Internal jugular vein, Subclavian vein, External jugular vein, Facial artery in the face & accessory nerve (Integration with General surgery) | Gross record assignment & viva Histology record assignment & viva | |

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| | | conditions such as cancer, complications of diabetes mellitus and atherosclerosis ----- ANTIOXIDANT DEFENSE | | the investigative data in a surgical patient. --(SGD) --C – BATCH AN43.2 Identify, describe and draw the microanatomy of thyroid and parathyroid gland A-Batch | | | |
| Friday | (AN43.4 Describe the development and developmental basis of congenital anomalies branchial apparatus & thyroid gland) | SDL on PY11.9 | Biochemistry SDL | OSCE on PY10.11.6 with certification-A Batch SU9.1 Choose appropriate biochemical, microbiological, pathological, imaging investigations and interpret the investigative data in a surgical patient. --(SGD) --B – BATCH AN43.2 Identify, describe and draw the microanatomy of thyroid and parathyroid gland C-Batch | Tutorial on PY10.2.1 + PY10.10, PY10.2.2, PY10.3, PY10.7.1 | | |
| Saturday | Written assessment 1 on PY10.2.1 + PY10.10, PY10.2.2, PY10.3, PY10.7.1 | CM 6.3 Tests of significance | | OSCE on PY10.11.6 with certification-C Batch SU9.1 Choose appropriate biochemical, microbiological, pathological, imaging investigations and interpret the investigative data in a surgical patient. --(SGD) --A – BATCH AN43.2 Identify, describe and draw the microanatomy of thyroid and parathyroid gland B-Batch | AETCOM | SPORTS / EXTRA-CURRICULAR ACTIVITIES | PY11-Assignment 2 on cardiorespiratory changes during exercise |

| 37 Week | 8.00-9.00 AM | 9.00-10.00 AM | 10.00-11.00 AM | Break 15 min | 11.15 – 1.00 PM | Lunch 1.00 PM – 2.00 PM | 2.00 -3.00 PM | 3.00-4.00 PM | Submissions |
|-----------|--|---|--|--------------|--|-------------------------|--|--|-------------|
| Monday | AN43.4 Describe the development and developmental basis of congenital anomalies of tongue | PY10.17 Ophthalmology OP/Ward | | | OSCE onPY10.20.1 with certification-B Batch AN26.5 Describe features of typical and atypical cervical vertebrae (atlas and axis) A-Batch | | AN43.1 Describe & demonstrate the movements with muscles producing the movements of atlantooccipital joint & atlantoaxial joint | | |
| Tuesday | PY11.7 Describe and discuss physiology of aging; free radicals and Antioxidants | AN43.4 Describe the development and developmental basis of congenital anomalies of pituitary gland | PY11.6 Describe physiology of Infancy | | OSCE onPY10.20.1 with certification-A Batch AN26.5 Describe features of typical and atypical cervical vertebrae (atlas and axis) C-Batch | | AN43.7 Identify the anatomical structures in 1) Plain x-ray skull, 2) AP view and lateral view 3) Plain x-ray cervical spine-AP and lateral view 4) Plain xray of paranasal sinuses (Integration with Radiodiagnosis) | | |
| Wednesday | BI 8.1 Discuss the importance of various dietary components and explain importance of dietary fibre. (PE-9.1,9.3) | PY11.11 Discuss the concept, criteria for diagnosis of Brain death and its Implications | AN43.4 Describe the development and developmental basis of congenital anomalies of eye | | OSCE onPY10.20.1 with certification-C Batch AN26.5 Describe features of typical and atypical cervical vertebrae (atlas and axis) B-Batch | | AN43.8 Describe the anatomical route used for carotid angiogram and vertebral angiogram AN43.9 Identify anatomical structures in carotid angiogram and vertebral angiogram (Integration with Radiodiagnosis) | | |
| Thursday | AN63.2 Describe anatomical basis of congenital hydrocephalus | BI 8.2 Describe the types and causes of protein energy malnutrition and its effects. (PE-10.1,10.2,PA-12.2,IM-22.2) | Revision | | OSCE on PY10.20.2 with certification-B Batch AN43.2 Identify, describe and draw the microanatomy of cornea, sclero-corneal junction, retina A-Batch | | PCT on Head & neck | Record submission & regional assessment on Head & Neck | |
| Friday | (AN64.2 Describe the development of neural tube, spinal cord, medulla oblongata, pons, midbrain, cerebral hemisphere & cerebellum) | SDL on PY11.10 | Biochemistry SDL | | OSCE on PY10.20.2 with certification-A Batch AN43.2 Identify, describe and draw the microanatomy of cornea, sclero-corneal junction, retina C-Batch | | PY11.9 Interpret growth charts | | |
| Saturday | PY11.10 Interpret anthropometric assessment of infants | | CM 6.4 Common sampling techniques, Simple statistical methods, frequency of distribution, Measures of central tendency and dispersion – DOAP | | OSCE on PY10.20.2 with certification-C Batch AN43.2 Identify, describe and draw the microanatomy of cornea, sclero-corneal junction, retina B-Batch | | AETCOM | SPORTS / EXTRA-CURRICULAR ACTIVITIES | |

| 38 Week | 8.00-9.00 AM | 9.00-10.00 AM | 10.00-11.00 AM | | 11.15 – 1.00 PM | | 2.00 -3.00 PM | 3.00-4.00 PM | Submissions |
|-----------|--|--|--|--------------|--|-------------------------|--|--|-------------|
| Monday | AN64.2 Describe the development of neural tube, spinal cord, medulla oblongata, pons, midbrain, cerebral hemisphere & cerebellum | Early Clinical Exposure | | Break 15 min | OSCE on PY10.20.3 with certification-B Batch AN26.7 Describe the features of the 7th cervical vertebra A-Batch | Lunch 1.00 PM – 2.00 PM | AN56.1 Describe & identify various layers of meninges with its extent & modifications (Integration with General medicine) | | |
| Tuesday | Revision | AN64.2 Describe the development of neural tube, spinal cord, medulla oblongata, pons, midbrain, cerebral hemisphere & cerebellum | Revision | | OSCE on PY10.20.3 with certification-A Batch AN26.7 Describe the features of the 7th cervical vertebra C-Batch | | AN57.1 Identify external features of spinal cord | | |
| Wednesday | BI 8.2 Describe the types and causes of protein energy malnutrition and its effects. (PE-10.3) | Revision | AN64.3 Describe various types of open neural tube defects with its embryological basis | | OSCE on PY10.20.3 with certification-C Batch AN26.7 Describe the features of the 7th cervical vertebra B-Batch | | AN58.1 Identify external features of medulla oblongata | | |
| Thursday | Anatomy revision | BI 8.3 Provide dietary advice for optimal health in childhood and adult, in disease conditions like diabetes mellitus, coronary artery disease and in pregnancy (IM-23.4,24.22&SU-12.3) -----NUTRITIONAL ADVISES & DISORDERS | Revision | | PY10.20 Clinical Charts : B Batch AN43.3 Identify, describe and draw microanatomy of olfactory epithelium, eyelid,lip A-Batch | | AN59.1 Identify external features of pons | Gross record assignment & viva Histology record assignment & viva | |
| Friday | Anatomy | SDL on PY10.4.1, PY10.4.2 PY10.2.3, PY10.7.2, PY10.7.3, PY10.4, PY10.6 | Biochemistry SDL | | PY10.20 Clinical Charts : A Batch AN43.3 Identify, describe and draw microanatomy of olfactory epithelium, eyelid,lip C-Batch | | PY11.14 Demonstrate Basic Life Support in a simulated environment | | |
| Saturday | Tutorial on PY10.4.1, PY10.4.2 PY10.2.3, PY10.7.2, PY10.7.3, PY10.4, PY10.6 | | CM 6 Basic statistics and its application – TUTORIAL | | PY10.20 Clinical Charts : C Batch AN43.3 Identify, describe and draw microanatomy of olfactory epithelium, eyelid,lip B-Batch | | AETCOM | SPORTS / EXTRA-CURRICULAR ACTIVITIES | |

| 39 Week | 8.00-9.00 AM | 9.00-10.00 AM | 10.00-11.00 AM | | 11.15 – 1.00 PM | | 2.00 -3.00 PM | 3.00-4.00 PM | Submissions |
|-----------|---|---|---|--------------|---|-------------------------|---|--|-------------|
| Monday | Anatomy revision | Early Clinical Exposure | | Break 15 min | PY10.20 Clinical Charts : B Batch Assessment – IV (Head & Neck) A-Batch | Lunch 1.00 PM – 2.00 PM | AN60.1 Describe & demonstrate external & internal features of cerebellum | | |
| Tuesday | Tutorial on PY10.4.1, PY10.4.2 PY10.2.3, PY10.7.2, PY10.7.3, PY10.4, PY10.6 | Anatomy revision | Tutorial on PY10.4.1, PY10.4.2 PY10.2.3, PY10.7.2, PY10.7.3, PY10.4, PY10.6 | | PY10.20 Clinical Charts : A Batch Assessment – IV (Head & Neck) C-Batch | | AN61.1 Identify external & internal features of midbrain | | |
| Wednesday | BI 8.4 Describe the causes (including dietary habits), effects and health risks associated with being overweight/ obesity. (PE-11.1)---- OBESITY | Tutorial on PY10.4.1, PY10.4.2 PY10.2.3, PY10.7.2, PY10.7.3, PY10.4, PY10.6 | Anatomy revision | | PY10.20 Clinical Charts : C Batch Assessment – IV (Head & Neck) B-Batch | | AN62.2 Describe & demonstrate surfaces, sulci, gyri, poles, & functional areas of cerebral hemisphere (Integration with Physiology & General medicine) | | |
| Thursday | Anatomy revision | BI 8.5 Summarize the nutritional importance of commonly used items of food including fruits and vegetables.(macro-molecules & its importance | Tutorial on PY10.7.4, PY10.7.5, PY10.7.6, PY10.9,PY10.5, PY10.8 | | Revision-B Batch AN43.3 Identify, describe and draw microanatomy of optic nerve, cochlea - organ of corti, A-Batch | | AN62.6 Describe & identify formation, branches & major areas of distribution of circle of Willis Base of the brain & subarachnoid cisterns (Integration with Physiology & General medicine) | Gross record assignment & viva Histology record assignment & viva | |
| Friday | Anatomy | SDL on PY10.7.4, PY10.7.5, PY10.7.6, PY10.9,PY10.5, PY10.8 | Biochemistry SDL | | Revision-A Batch AN43.3 Identify, describe and draw microanatomy of optic nerve, cochlea - organ of corti, C-Batch | | Tutorial on PY10.7.4, PY10.7.5, PY10.7.6, PY10.9,PY10.5, PY10.8 | | |
| Saturday | Written assessment 2 on PY10.4.1, PY10.4.2 PY10.2.3, PY10.7.2, PY10.7.3, PY10.4, PY10.6 | | CM 9.1 Definition, principles of demography, demographic cycle and Vital statistics | | Revision-C Batch AN43.3 Identify, describe and draw microanatomy of optic nerve, cochlea - organ of corti, B-Batch | | AETCOM | SPORTS / EXTRA-CURRICULAR ACTIVITIES | |

| 40 Week | 8.00-9.00 AM | 9.00-10.00 AM | 10.00-11.00 AM | | 11.15 – 1.00 PM | | 2.00 -3.00 PM | 3.00-4.00 PM | Submissions |
|-----------|---|--|---|--------------|---|-------------------------|---|--------------------------------------|--|
| Monday | Anatomy revision | Early Clinical Exposure | | Break 15 min | Revision-B Batch AN64.1 Describe & identify the microanatomical features of Spinal cord, Cerebellum & Cerebrum A-Batch | Lunch 1.00 PM – 2.00 PM | AN63.1 Describe & demonstrate parts, boundaries & features of IIIrd, IVth & lateral ventricle (Integration with Physiology) | | |
| Tuesday | Tutorial on PY10.7.4, PY10.7.5, PY10.7.6, PY10.9, PY10.5, PY10.8 | Anatomy revision | Tutorial on PY10.13 to PY10.19 | | Revision-A Batch AN64.1 Describe & identify the microanatomical features of Spinal cord, Cerebellum & Cerebrum C-Batch | | AN63.1 Describe & demonstrate parts, boundaries & features of IIIrd, IVth & lateral ventricle (Integration with Physiology) | | |
| Wednesday | BI 9.3 Describe protein targeting & sorting along with its associated disorders- --- CELL MEMBRANE & TRANSPORTERS | Tutorial on PY10.13 to PY10.19 | Anatomy revision | | Revision-C Batch AN64.1 Describe & identify the microanatomical features of Spinal cord, Cerebellum & Cerebrum B-Batch | | AN63.1 Describe & demonstrate parts, boundaries & features of IIIrd, IVth & lateral ventricle (Integration with Physiology) | | |
| Thursday | Anatomy revision | BI 9.1 List the functions and components of the extracellular matrix (ECM) | Tutorial on PY10.13 to PY10.19 | | Revision-B Batch Assessment - II (Systemic histology) A-Batch | | PCT on CNS | | Record submission & regional assessment on CNS |
| Friday | Anatomy | SDL on PY10.13 to PY10.19 | Biochemistry SDL | | Revision-A Batch Assessment - II (Systemic histology) C-Batch | | Tutorial on PY10.13 to PY10.19 | | |
| Saturday | Written assessment 3 on PY10.7.4, PY10.7.5, PY10.7.6, PY10.9, PY10.5, PY10.8 | | CM 9.2 Define, calculate and interpret demographic indices including birth rate, death rate, fertility rates – DOAP | | Revision-C Batch Assessment - II (Systemic histology) B-Batch | | AETCOM | SPORTS / EXTRA-CURRICULAR ACTIVITIES | |

| 41 Week | 8.00-9.00 AM | 9.00-10.00 AM | 10.00-11.00 AM | Break 15 min | 11.15 – 1.00 PM | Lunch 1.00 PM – 2.00 PM | 2.00 -3.00 PM | 3.00-4.00 PM | Submissions | |
|-----------|--|---|---|--------------|------------------|-------------------------|--------------------------------|--------------------------------------|-------------|--|
| Monday | Anatomy | Early Clinical Exposure | | | Revision-B Batch | | Anatomy Dissection | | | |
| Tuesday | Tutorial on PY11.1 to PY11.11 | Anatomy | Tutorial on PY11.1 to PY11.11 | | Revision-A Batch | | Anatomy Dissection | | | |
| Wednesday | BI 9.2 Discuss the involvement of ECM components in health and disease | Tutorial on PY11.1 to PY11.11 | Anatomy | | Revision-C Batch | | Anatomy Dissection | | | |
| Thursday | Anatomy | BI 9.3 Describe protein targeting & sorting along with its associated disorders | Tutorial on PY11.1 to PY11.11 | | Revision-B Batch | | Anatomy Dissection | | | |
| Friday | Anatomy | SDL on PY10.13 to PY10.19 | Biochemistry SDL | | Revision-A Batch | | Viva voce on PY11.1 to PY11.11 | | | |
| Saturday | Written assessment 4 on PY10.13 to PY10.19 | | CM 9.3 Causes of declining sex ratio and its social and health implications | | Revision-C Batch | | AETCOM | SPORTS / EXTRA-CURRICULAR ACTIVITIES | | |

| 42 Week | 8.00-9.00 AM | 9.00-10.00 AM | 10.00-11.00 AM | Break 15 min | 11.15 – 1.00 PM | Lunch 1.00 PM – 2.00 PM | 2.00 -3.00 PM | 3.00-4.00 PM | Submissions |
|-----------|---|---|---|------------------|---------------------------------|--------------------------------------|--------------------|--------------|-------------|
| Monday | Anatomy | Early Clinical Exposure | | | Revision-B Batch | | Anatomy Dissection | | |
| Tuesday | Revision | Anatomy | Revision | Revision-A Batch | Anatomy Dissection | | | | |
| Wednesday | BI 10.1 Describe the cancer initiation, promotion oncogenes & oncogene activation. Also focus on p53 & apoptosis BI 10.2 Describe various biochemical tumor markers and the biochemical basis of cancer therapy. | Revision | Anatomy | Revision-C Batch | Anatomy Dissection | | | | |
| Thursday | Anatomy | BI 10.3 Describe the cellular and humoral components of the immune system & describe the types and structure of antibody BI 10.4 Describe & discuss innate and adaptive immune responses, self/non-self recognition and the central role of T-helper cells in immune responses Bi 10.5 Describe antigens and concepts involved in vaccine development | Revision | Revision-B Batch | Anatomy Dissection | | | | |
| Friday | Anatomy | SDL on PY11.1 to PY11.11 | Biochemistry SDL | Revision-A Batch | Viva voce on PY 10.1 to PY10.20 | | | | |
| Saturday | Written assessment on PY11.1 to PY11.11 | | CM 9.4 Causes and consequences of population explosion and population dynamics of India - SDL | Revision-C Batch | AETCOM | SPORTS / EXTRA-CURRICULAR ACTIVITIES | | | |